

JA 1288

(See foldout next page)

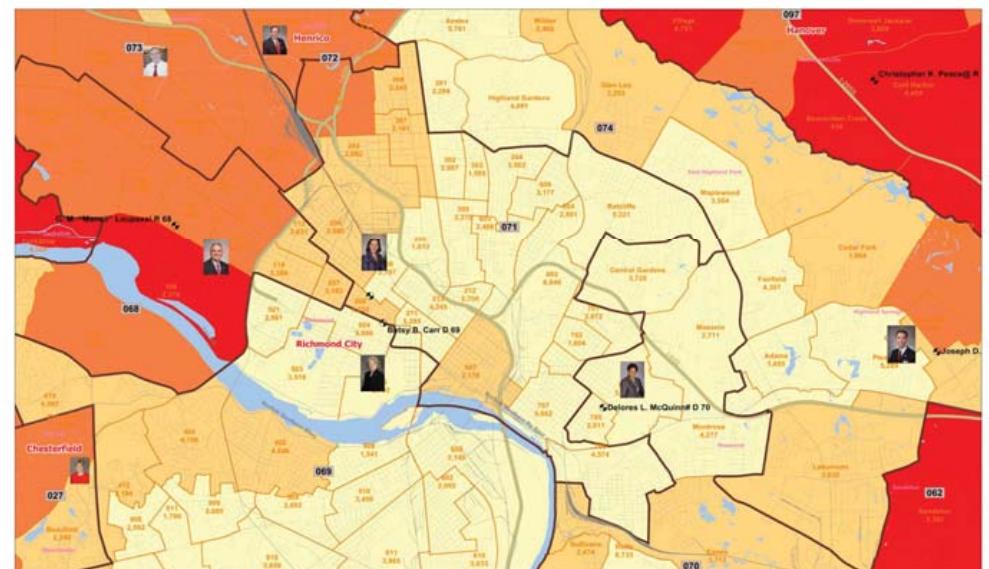
JA 1289

Richmond Area Districts-2011 Plan-%Black



DEFENDANT-INTERVENORS TX 065 - Page 001

Richmond Area Districts-2011 Plan-2009 Gov-%Rep

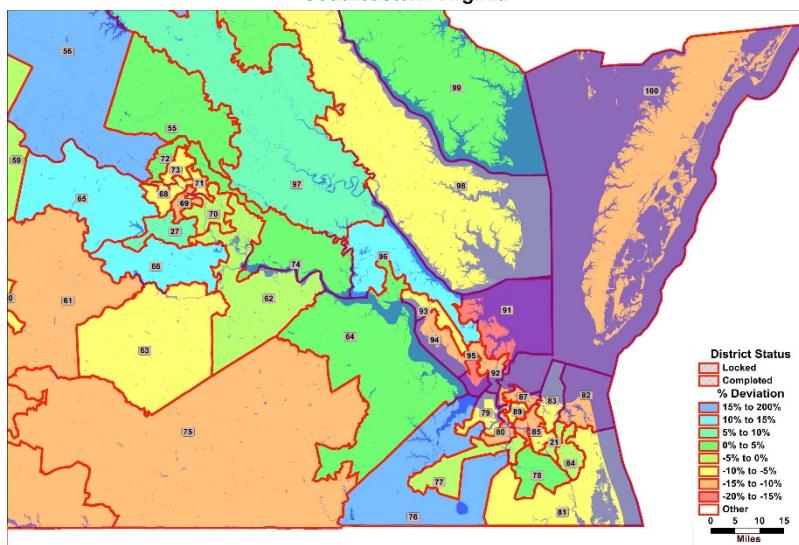


DEFENDANT-INTERVENORS TX 065 - Page 002

2
3
5

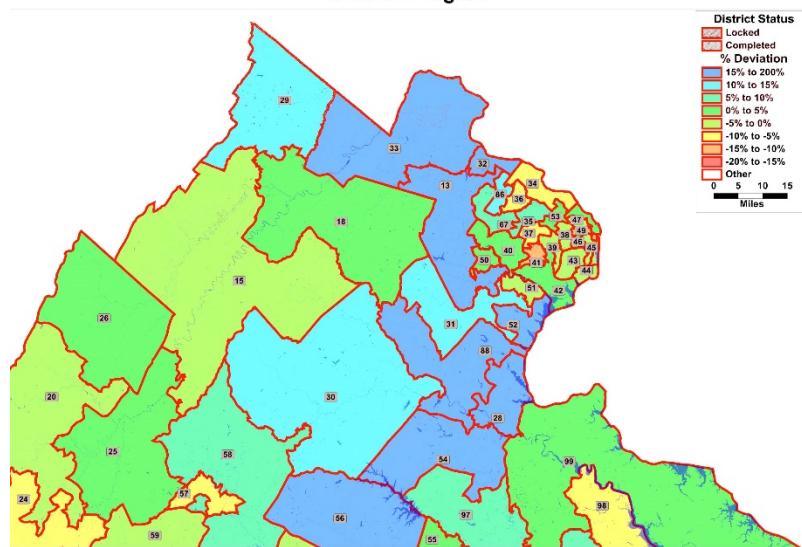
JA 1290

Map 24
2001 House Districts 2010 Deviations
Southeastern Virginia



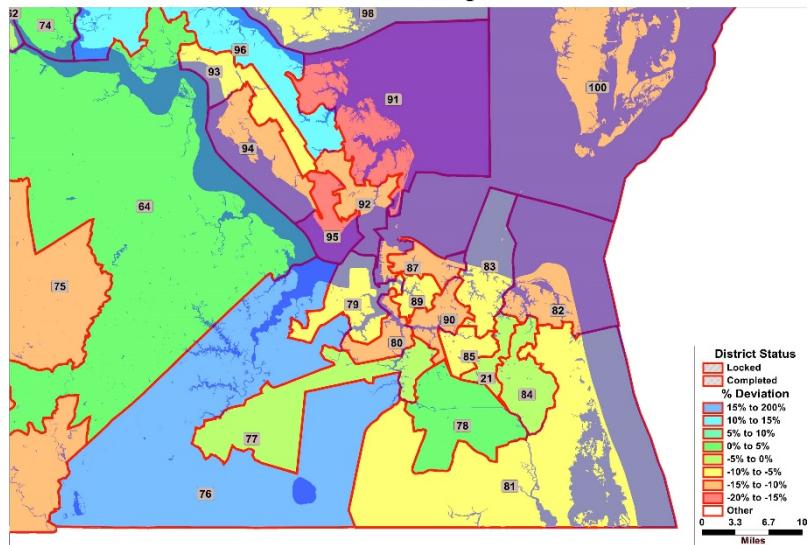
JA 1291

Map 25
2001 House Districts 2010 Deviations
Northern Virginia



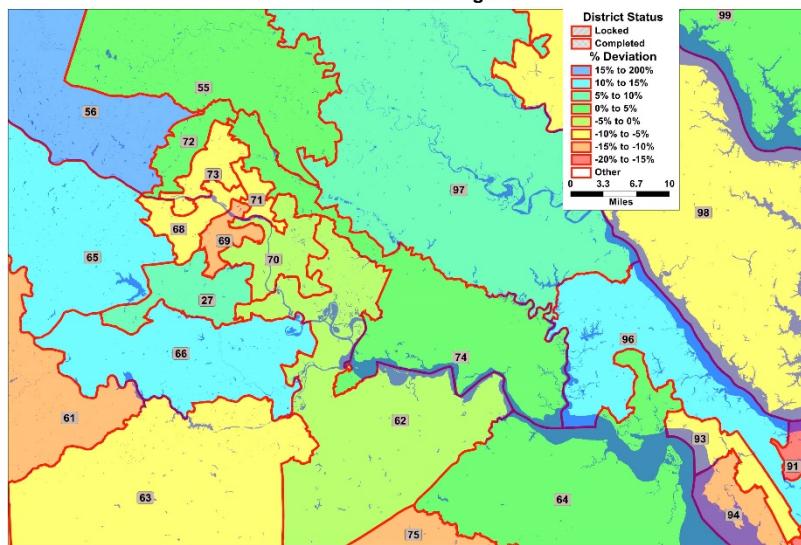
JA 1292

Map 26
2001 House Districts 2010 Deviations
Norfolk Area Virginia



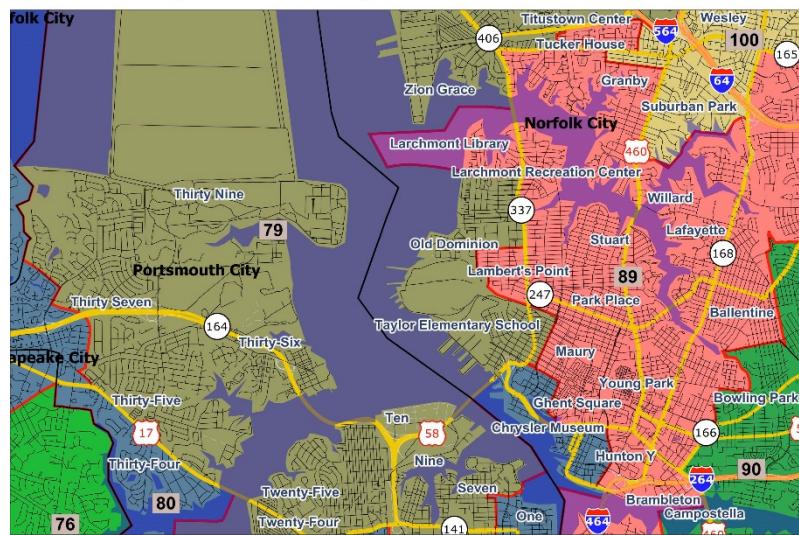
JA 1293

Map 27
2001 House Districts 2010 Deviations
Richmond Area Virginia



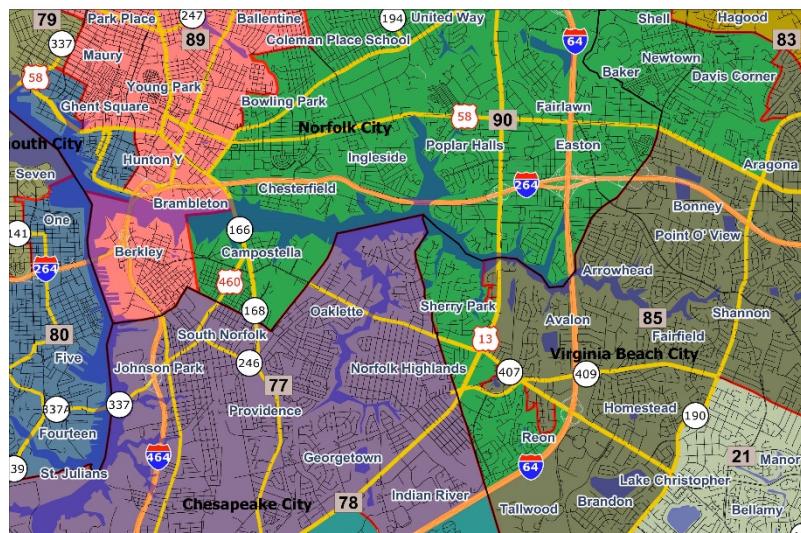
JA 1294

MAP 28
2011 House District 79
Showing Water Crossings Between Portions of Districts



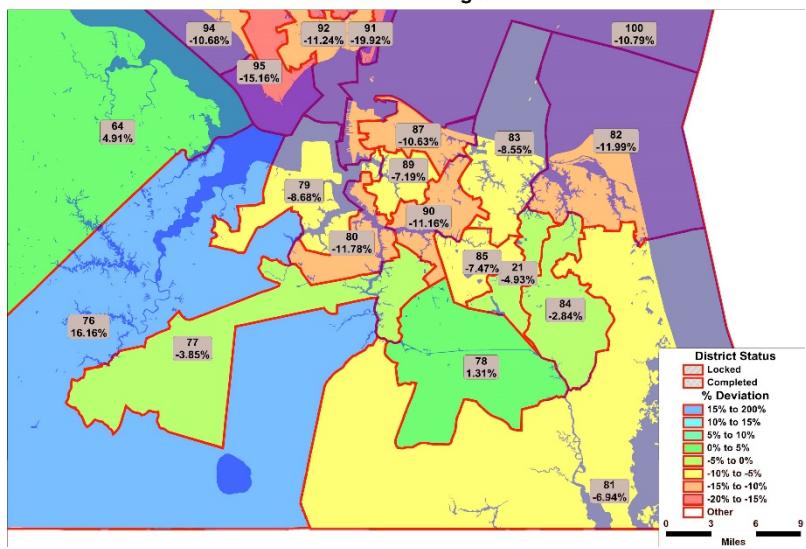
JA 1295

MAP 29
2011 House District 90
Showing Water Crossings Between Portions of Districts



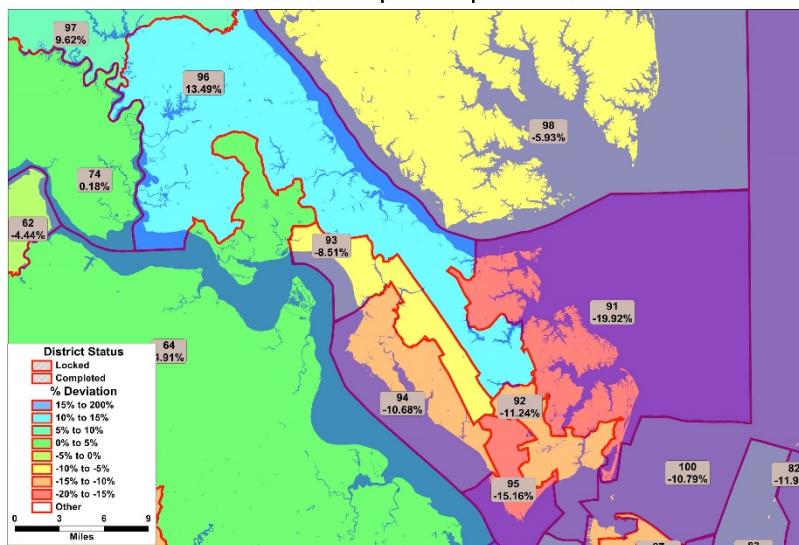
JA 1296

Map 30
2001 House Districts 2010 Deviations
Norfolk Area Virginia



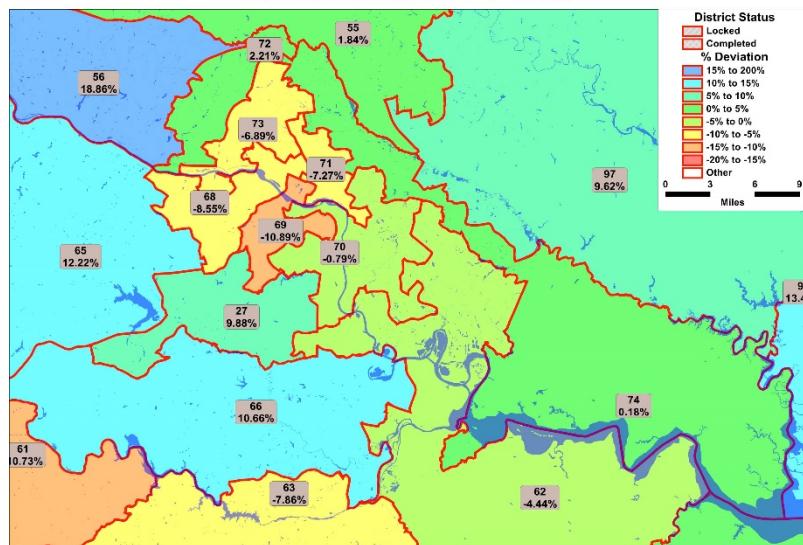
JA 1297

Map 31
2001 House Districts 2010 Deviations
Deviations Hampton-Newport w Pcts.



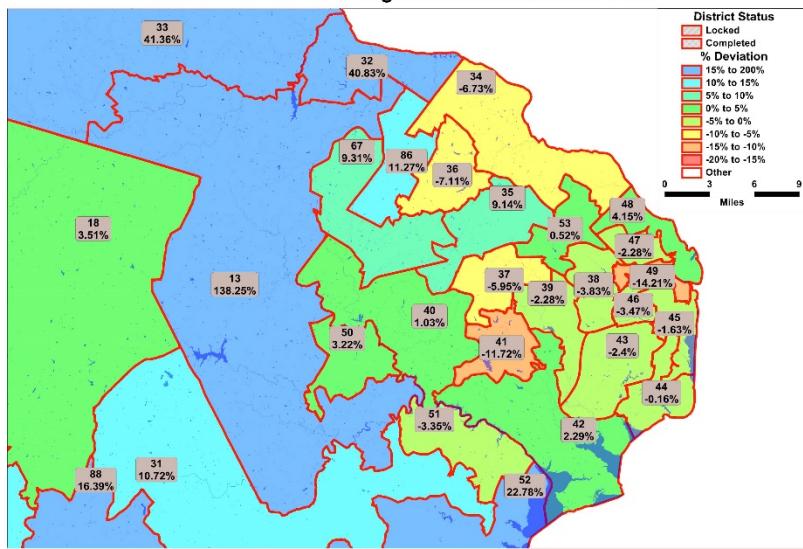
JA 1298

Map 32
2001 House Districts 2010 Deviations
Deviations Richmond Area w Pcts.



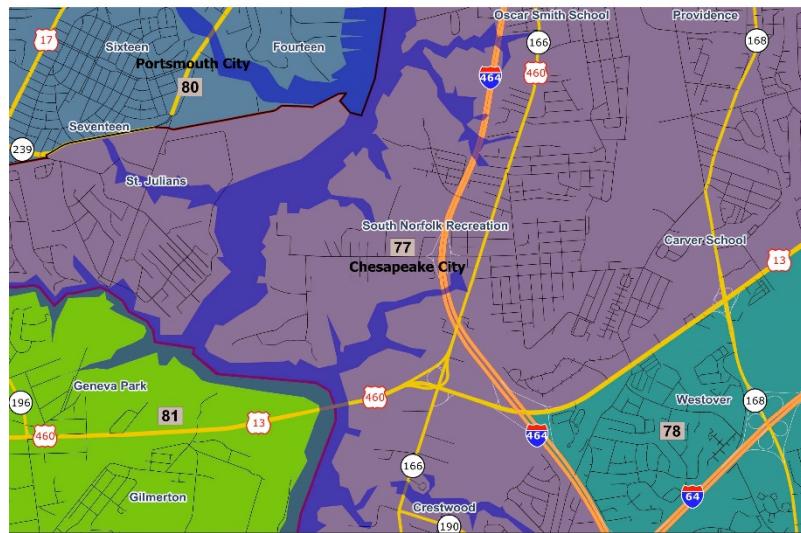
JA 1299

Map 33
2001 House Districts 2010 Deviations
Deviations Fairfax Arlington Alexandria Area w Pcts.



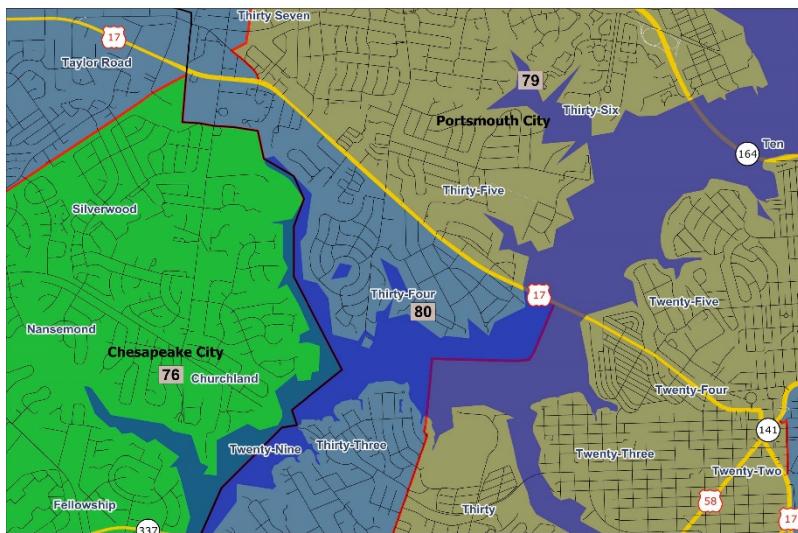
JA 1300

MAP 34
2011 House District 77
Showing Water Crossings Between Portions of Districts



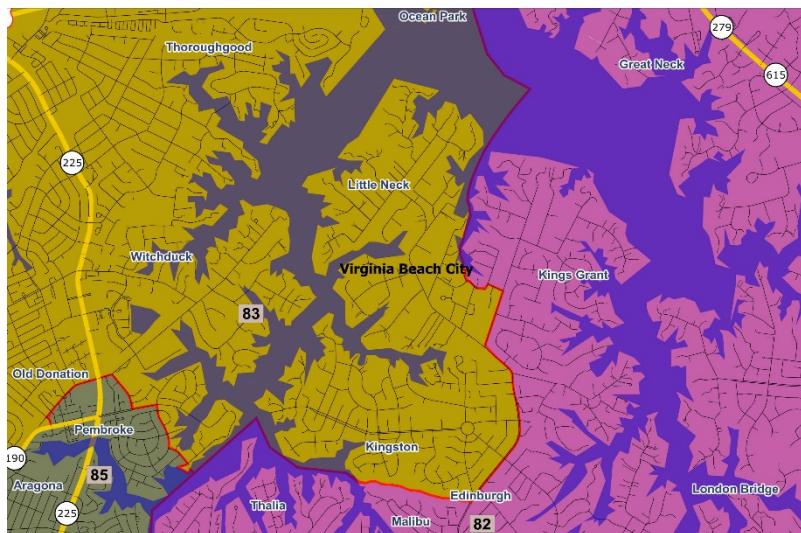
JA 1301

MAP 35
2011 House District 80
Showing Water Crossings Between Portions of Districts



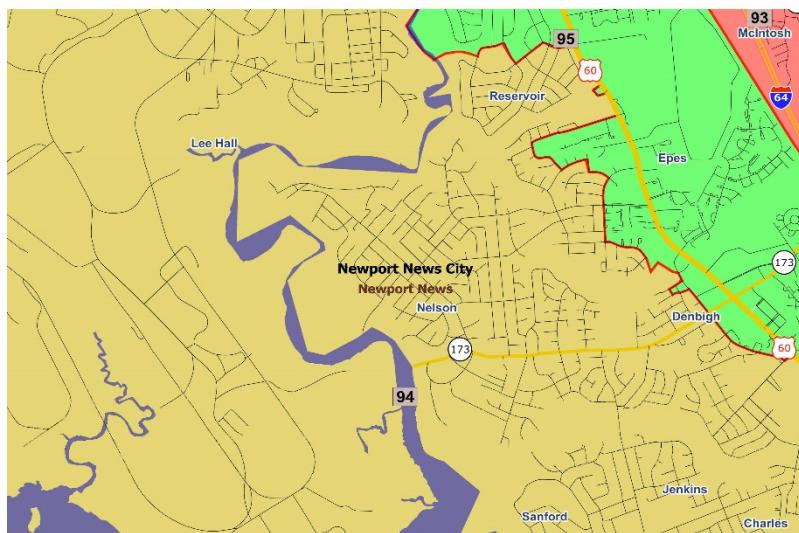
JA 1302

MAP 36
2011 House District 83
Showing Water Crossings Between Portions of Districts



JA 1303

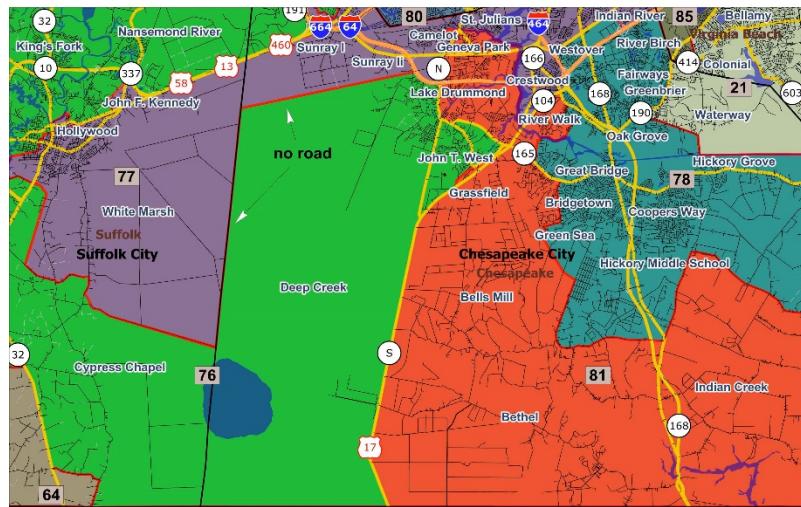
MAP 37
2011 House District 94
Showing Water Crossings Between Portions of Districts



JA 1304

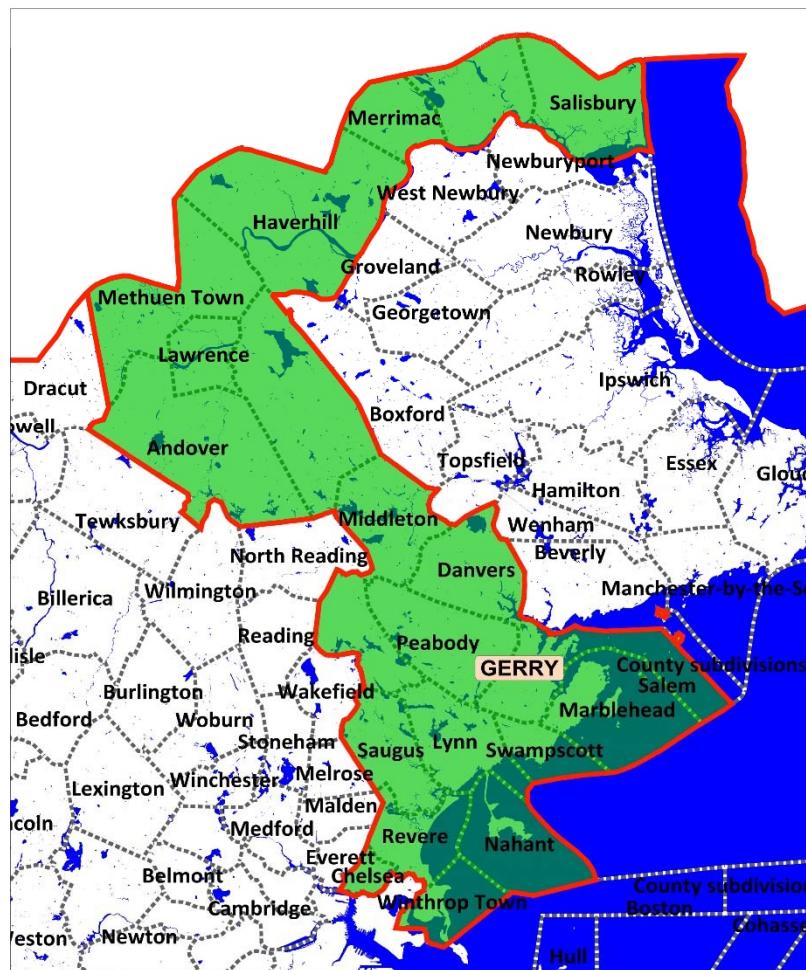
**MAP 38
2011 House District 76**

Showing Water Crossings Between Portions of Districts



JA 1305

MAP 39 THE ORIGINAL GERRYMANDER

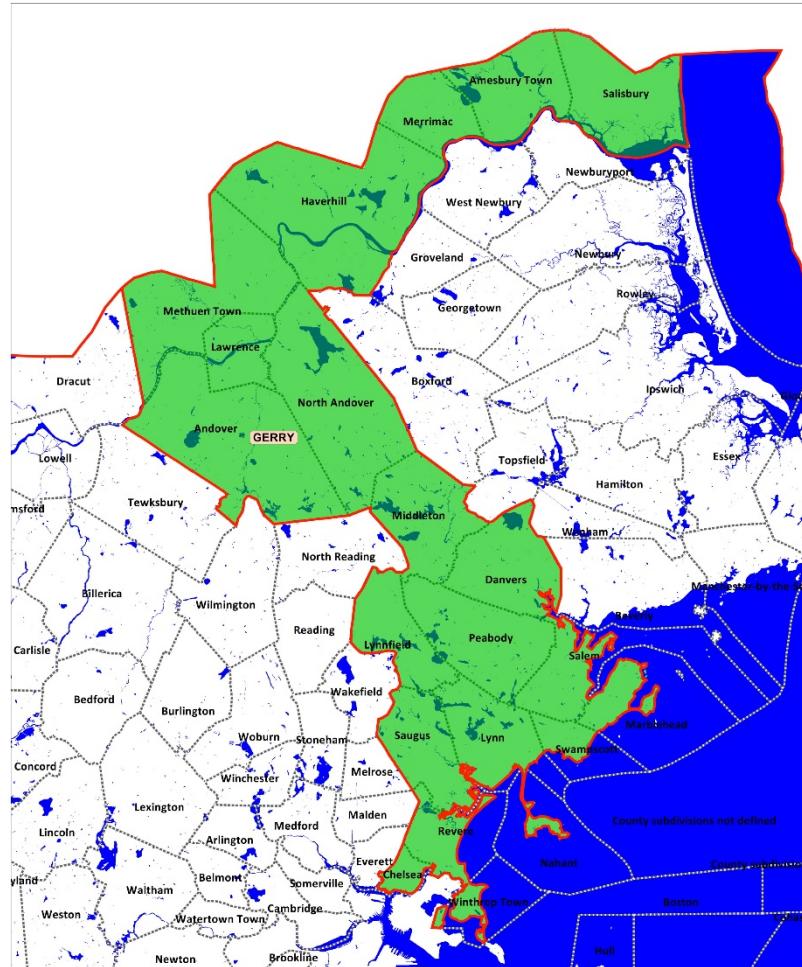


JA 1306

MAP40

THE ORIGINAL GERRYMANDER

Without Water and Islands



JA 1307

Plan Name: MA Gerry
Plan Type: State House
Date: 6/19/2015
Time: 2:09:39PM
Administrator: TBH

Measures of Compactness

6/19/2015

Sum	N/A	N/A
Min	0.31	0.15
Max	0.31	0.15
Mean	0.31	0.15
Std. Dev.	0.00	0.00

<u>DISTRICT</u>	<u>Reock</u>	<u>Polsby-Popper</u>
<u>GERRY</u>	0.31	0.15

JA 1308

Plan Name: MA Gerry wo Water
Plan Type: State House
Date: 6/19/2015
Time: 2:02:41PM
Administrator: TBH

Measures of Compactness

6/19/2015

Sum	N/A	N/A
Min	0.26	0.07
Max	0.26	0.07
Mean	0.26	0.07
Std. Dev.	0.00	0.00

<u>DISTRICT</u>	<u>Reock</u>	<u>Polsby-Popper</u>
<u>GERRY</u>	0.26	0.07

TABLE 16
2001 House Plan Deviations
Norfolk Area

Majority Non-Hispanic White Districts

District	%Deviation
21	-4.93
78	1.31
79	-8.68
81	-6.94
82	-11.99
83	-8.55
84	-2.84
85	-7.47
87	-10.63
100	-10.79

Negative Deviation	-71.51
76	16.16
Positive Deviation	16.16
Overall Maj. NH Wht Deviations	-55.35

Majority African American Districts

Majority African American Districts		
	77	-3.85
	80	-11.78
	89	-7.19
	90	-11.16

Overall Maj. Afr-am. Deviations -33.98

Overall Norfolk Area Deviations -105.49

Source: U.S. Census Bureau – 2010 Decennial Census Counts

JA 1310

TABLE 17
2011 House Plan
Districts Not Connect by Road
With Water or River Crossings

District	Majority Race Group
76	Non-Hispanic White
77	African-American
79	Non-Hispanic White
80	African-American
83	Non-Hispanic White
90	African-American
94	Non-Hispanic White
100*	Non-Hispanic White

* Crosses Chesapeake Bay

JA 1311
0

TABLE 18
2011 HOUSE OF DELEGATES PLAN
Combined Compactness Scores

District Number	Reock Score	Polsby-Popper Score	Roeck + Polsby	Reock Rank	Polsby Rank	Combined Rank
74	0.16	0.12	0.29	3	5	8
13	0.16	0.13	0.29	2	8	10
95	0.14	0.14	0.28	1	9	10
22	0.20	0.11	0.31	9	3	12
77	0.19	0.15	0.34	6	12	18
48	0.18	0.16	0.33	4	15	19
17	0.25	0.09	0.34	20	2	22
72	0.26	0.08	0.34	25	1	26
93	0.22	0.16	0.38	13	14	27
80	0.26	0.11	0.37	24	4	28
5	0.19	0.17	0.36	7	21	28
87	0.22	0.17	0.38	11	20	31
23	0.26	0.15	0.41	22	11	33
37	0.18	0.18	0.36	5	28	33
14	0.24	0.16	0.40	17	18	35
96	0.20	0.17	0.38	10	26	36
49	0.24	0.16	0.41	18	19	37
88	0.28	0.13	0.40	31	7	38
63	0.25	0.16	0.41	21	17	38
20	0.27	0.15	0.43	30	13	43
51	0.24	0.18	0.42	16	30	46
35	0.20	0.19	0.40	8	38	46
40	0.26	0.17	0.43	23	24	47
10	0.23	0.18	0.42	15	32	47
25	0.26	0.18	0.44	26	29	55
43	0.22	0.21	0.43	12	43	55
62	0.36	0.13	0.49	55	6	61
61	0.32	0.17	0.49	39	25	64
2	0.30	0.18	0.48	37	27	64
34	0.24	0.22	0.46	19	50	69
73	0.39	0.15	0.53	61	10	71
64	0.37	0.16	0.53	58	16	74
58	0.32	0.19	0.51	41	34	75
99	0.27	0.21	0.48	29	47	76
52	0.23	0.25	0.49	14	64	78
39	0.35	0.19	0.54	47	33	80
59	0.30	0.21	0.51	36	45	81
3	0.28	0.21	0.50	34	48	82

JA 1312
1

16	0.36	0.18	0.55	56	31	87
42	0.35	0.20	0.55	48	40	88
33	0.33	0.23	0.56	42	53	95
56	0.34	0.22	0.56	45	51	96
19	0.43	0.17	0.60	74	23	97
31	0.38	0.19	0.58	60	37	97
29	0.36	0.21	0.57	52	46	98
71	0.33	0.24	0.57	43	55	98
6	0.27	0.26	0.52	28	71	99
67	0.32	0.25	0.57	40	61	101
70	0.40	0.19	0.59	67	35	102
45	0.29	0.26	0.55	35	67	102
75	0.41	0.19	0.60	68	36	104
89	0.40	0.20	0.59	65	39	104
1	0.26	0.30	0.57	27	78	105
9	0.35	0.24	0.59	50	57	107
98	0.28	0.26	0.54	33	74	107
76	0.48	0.17	0.65	87	22	109
86	0.35	0.25	0.60	49	60	109
27	0.35	0.25	0.60	46	63	109
68	0.36	0.25	0.60	53	58	111
12	0.39	0.22	0.60	63	49	112
92	0.34	0.26	0.59	44	69	113
66	0.31	0.27	0.58	38	75	113
97	0.43	0.21	0.64	71	44	115
81	0.40	0.23	0.62	64	52	116
90	0.46	0.20	0.66	79	42	121
85	0.40	0.24	0.64	66	56	122
100	0.28	0.37	0.65	32	94	126
28	0.39	0.26	0.64	62	66	128
4	0.49	0.20	0.68	88	41	129
65	0.37	0.27	0.64	57	76	133
24	0.44	0.25	0.69	76	59	135
41	0.36	0.32	0.68	54	84	138
60	0.38	0.31	0.69	59	82	141
84	0.44	0.26	0.70	75	68	143
94	0.35	0.38	0.73	51	95	146
79	0.45	0.26	0.71	77	70	147
7	0.50	0.25	0.75	89	62	151
54	0.47	0.25	0.72	86	65	151
36	0.43	0.30	0.73	72	79	151
21	0.42	0.31	0.73	70	81	151
18	0.62	0.24	0.85	99	54	153
47	0.41	0.33	0.74	69	85	154
44	0.43	0.32	0.75	73	83	156
8	0.47	0.26	0.73	85	72	157

JA 1313
2

32	0.46	0.31	0.77	83	80	163
53	0.46	0.34	0.79	80	87	167
50	0.46	0.34	0.80	81	88	169
11	0.59	0.26	0.85	97	73	170
55	0.57	0.28	0.85	95	77	172
26	0.46	0.36	0.82	82	92	174
57	0.45	0.41	0.86	78	96	174
78	0.46	0.35	0.81	84	91	175
15	0.55	0.34	0.88	94	86	180
83	0.52	0.34	0.86	90	90	180
69	0.52	0.34	0.86	92	89	181
30	0.53	0.36	0.90	93	93	186
46	0.52	0.55	1.07	91	100	191
82	0.57	0.45	1.02	96	97	193
91	0.60	0.47	1.07	98	99	197
38	0.62	0.45	1.08	100	98	198

Note: African-American District Numbers are Blue.

Min	0.14	0.08
Max	0.62	0.55
Mean	0.36	0.24
Std. Dev.	0.11	0.09

JA 1314

TABLE 19
STATE OF VIRGINIA
1991 HOUSE OF DELEGATES PLAN
Districts with Minor River Crossing w/o Roads

Districts are: 21, 62, 64, 72, 76, 77, 79, 82, 90, 91, 98
and 100.

District 100 crosses Chesapeake Bay from East to
West.

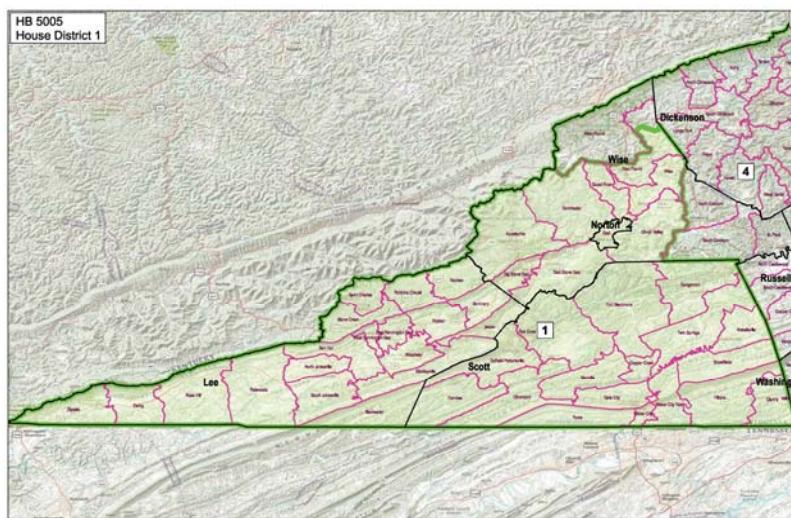
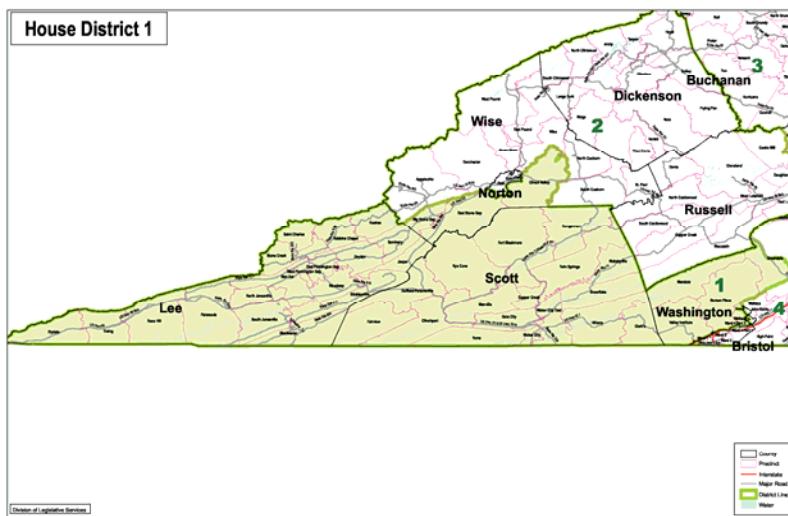
Districts 90 and 98 have two such crossings.

**Appendix Material:
District Maps for the Benchmark Plan (2010)
and the Enacted Plan (2011)**

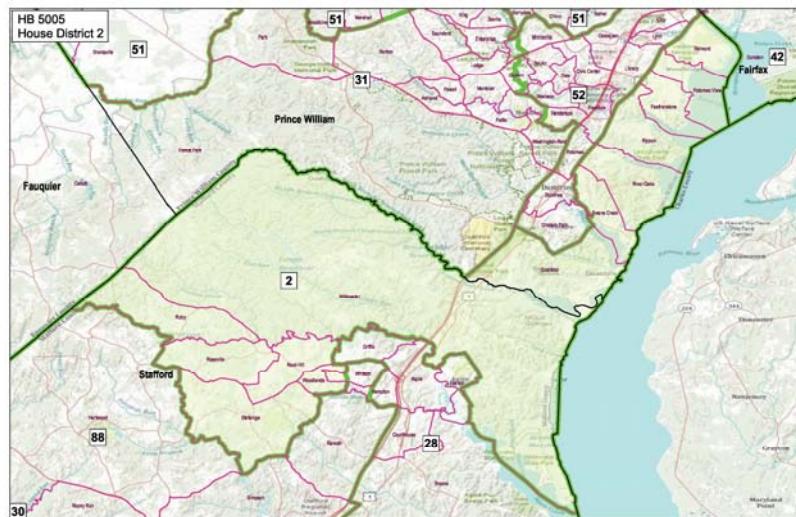
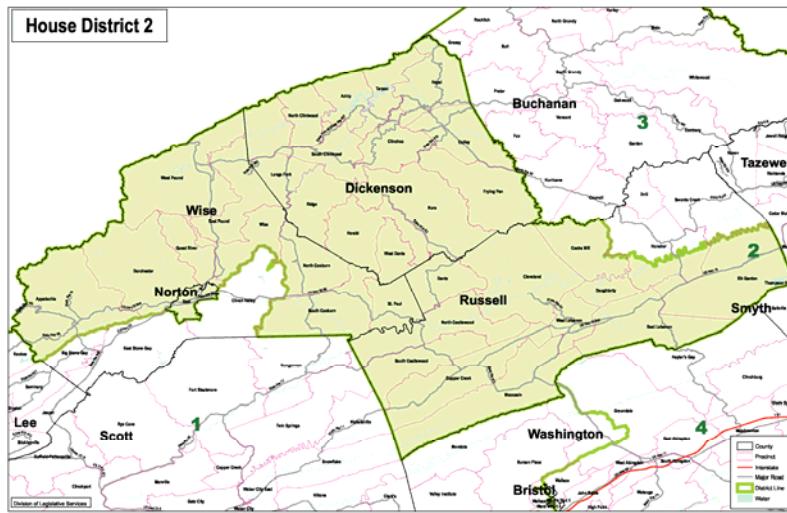
Notes:

- 1) All maps are from the Virginia Division of Legislative Services (DLS) <http://redistricting.dls.virginia.gov/2010/DistrictMaps.aspx>
- 2) The map sets are comparable in a general sense but were clearly prepared independently and illustrate different features.
- 3) Most maps are landscape (horizontal) in format but in some cases either one or both of the maps are portrait (vertical).
- 4) Maps are arranged in district order, 1 to 100, with the map for the Benchmark Plan first and then the map for the Enacted Plan.
- 5) Note that in a few instances the district numbers either changed with respect to incumbents and/or were moved from one part of the state to another. Districts 2, 10, and 87 were reassigned to the northern area of the state.
- 6) Printing this page in duplex mode will preserve the facing aspect of the maps with 2010 on the left and 2011 map on the right.

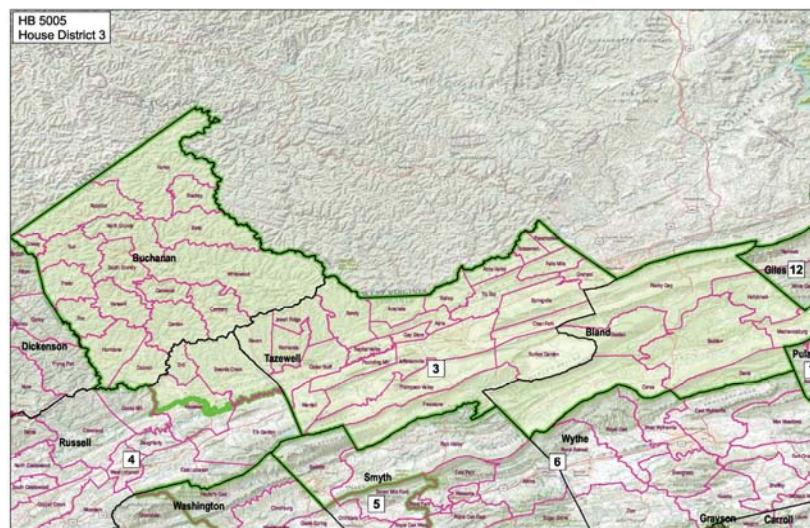
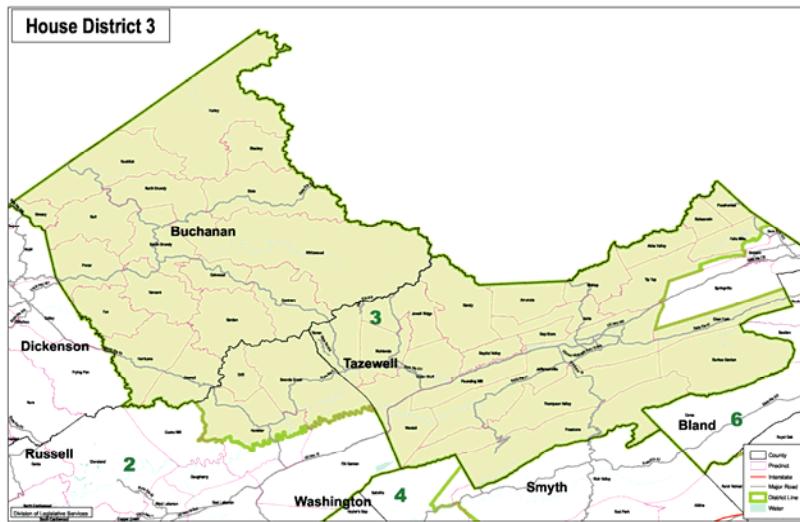
JA 1316



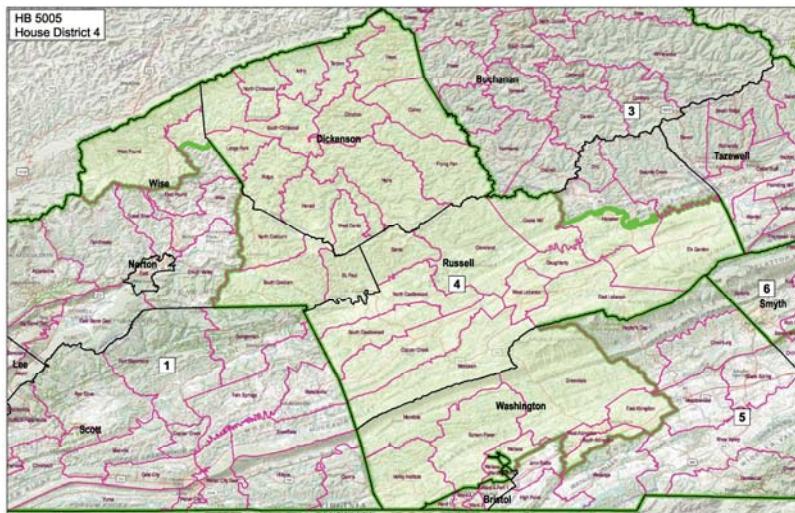
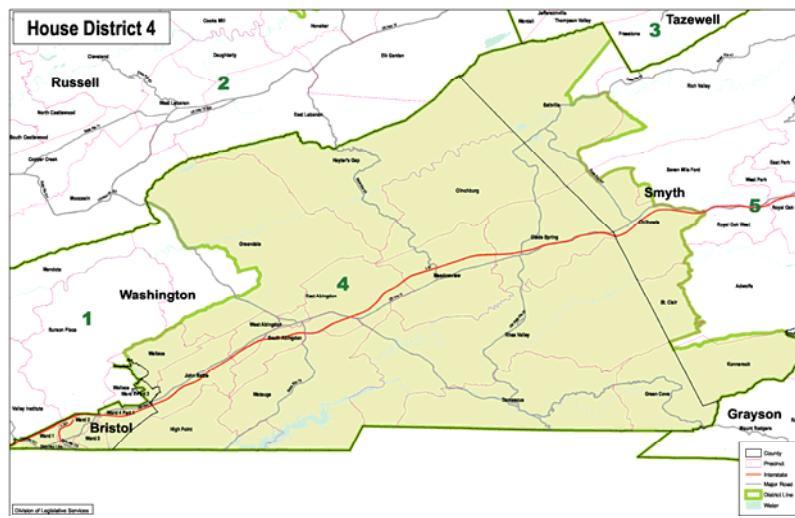
JA 1317



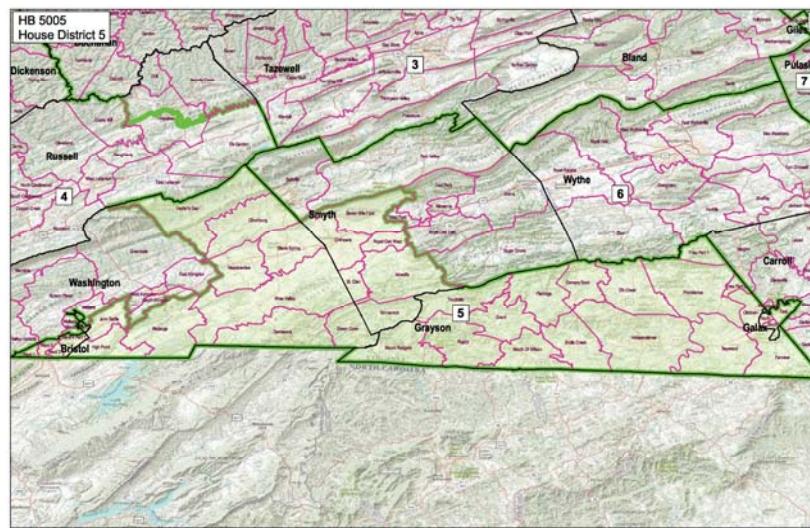
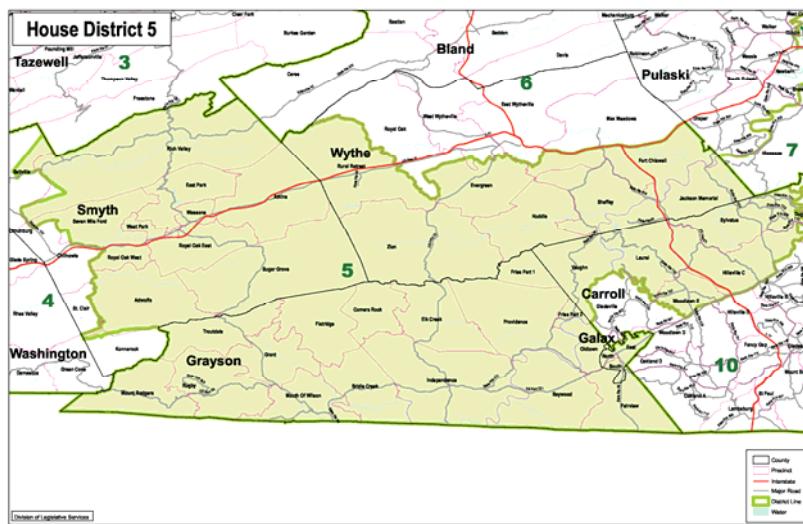
JA 1318



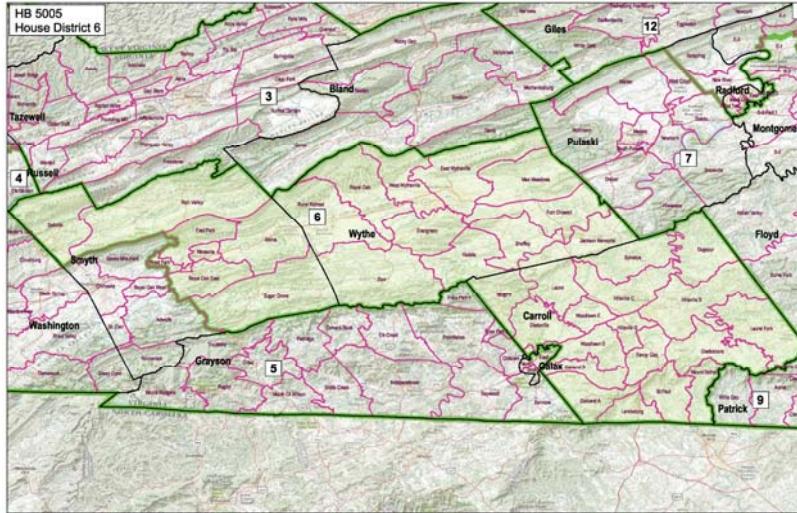
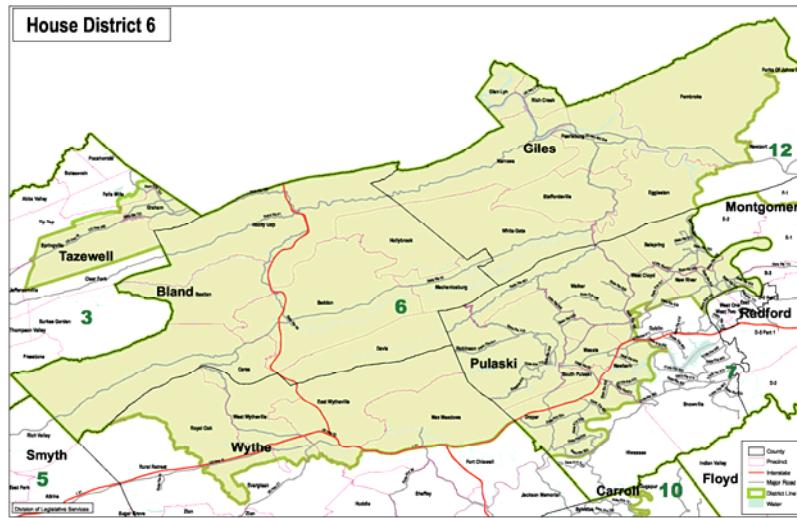
JA 1319



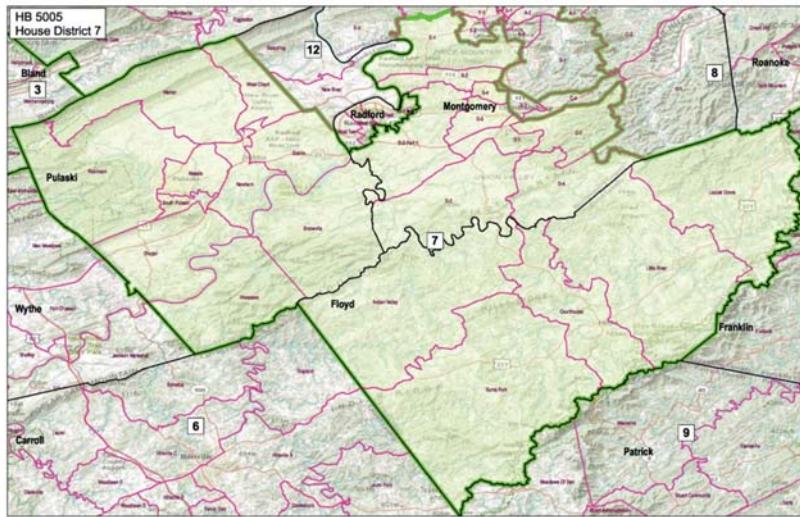
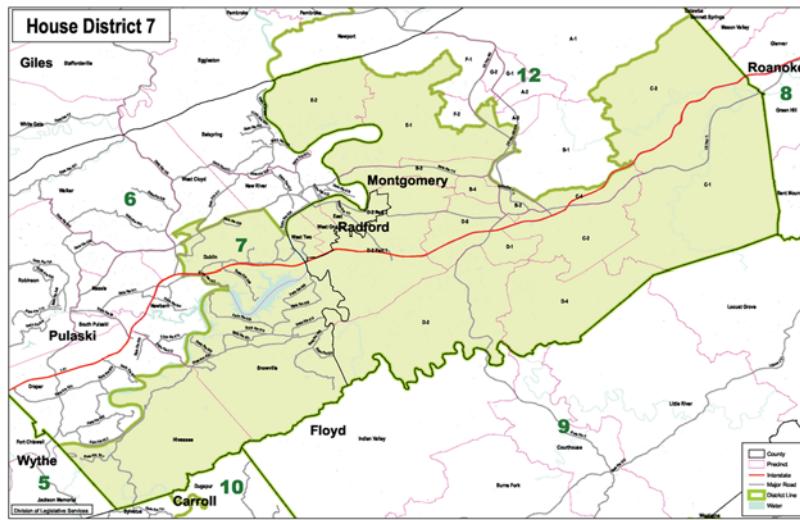
JA 1320



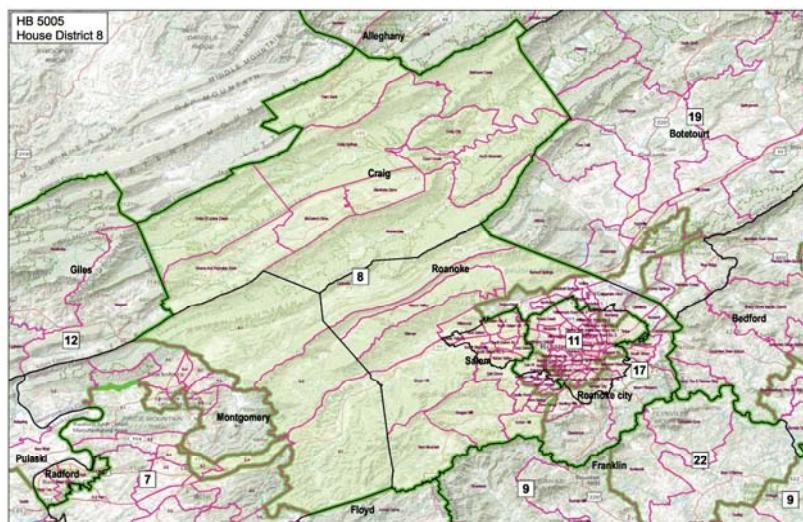
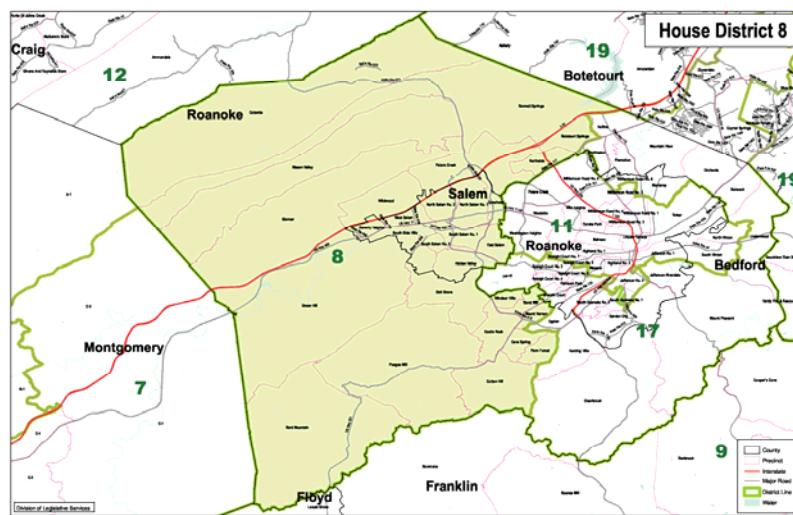
JA 1321



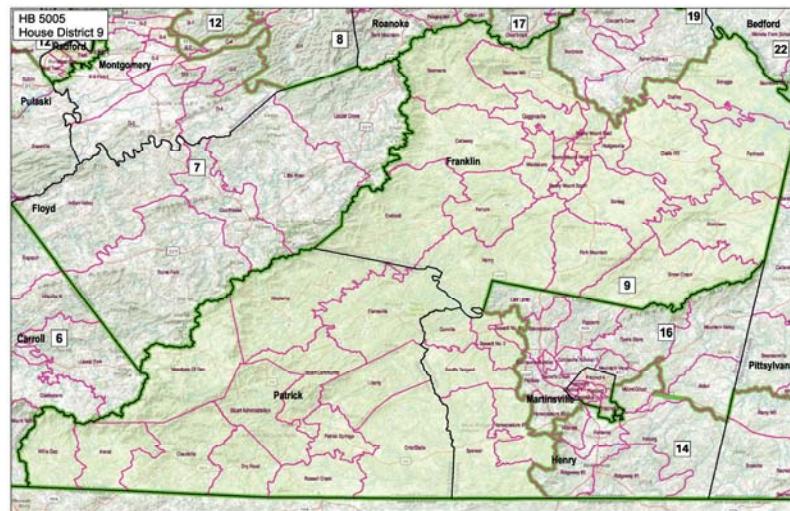
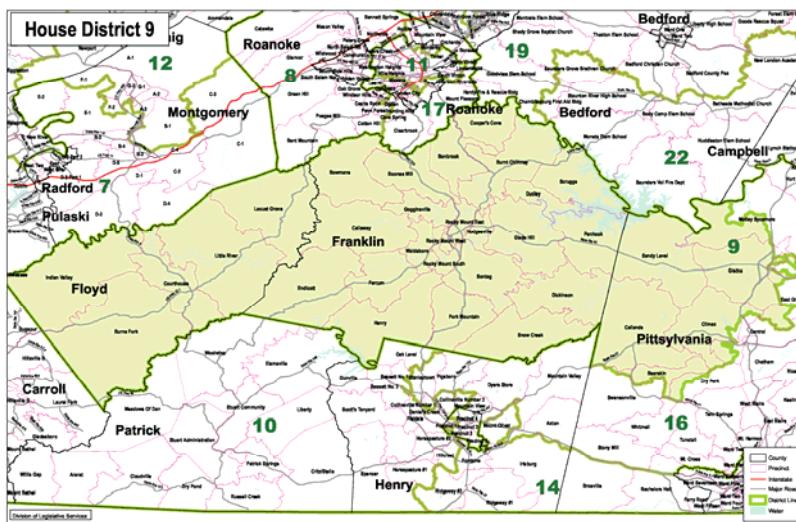
JA 1322



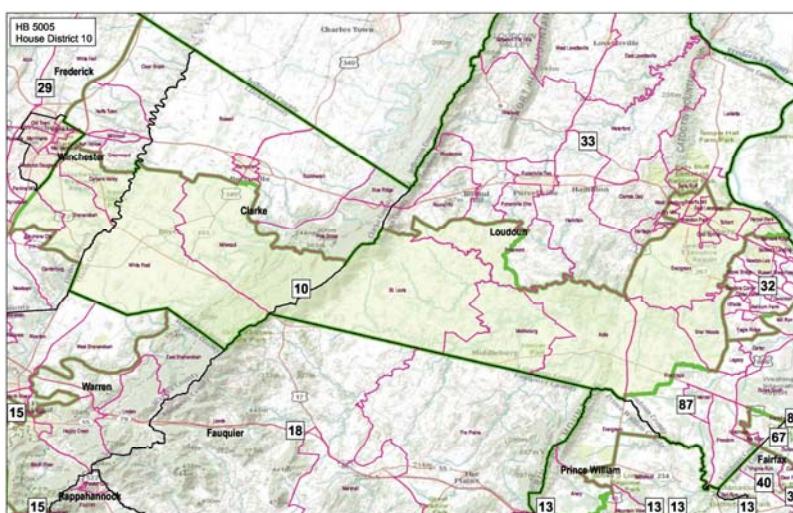
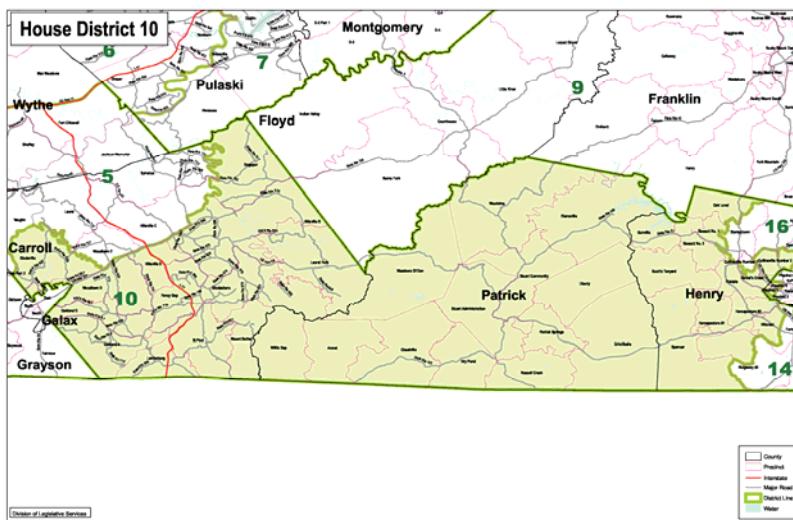
JA 1323



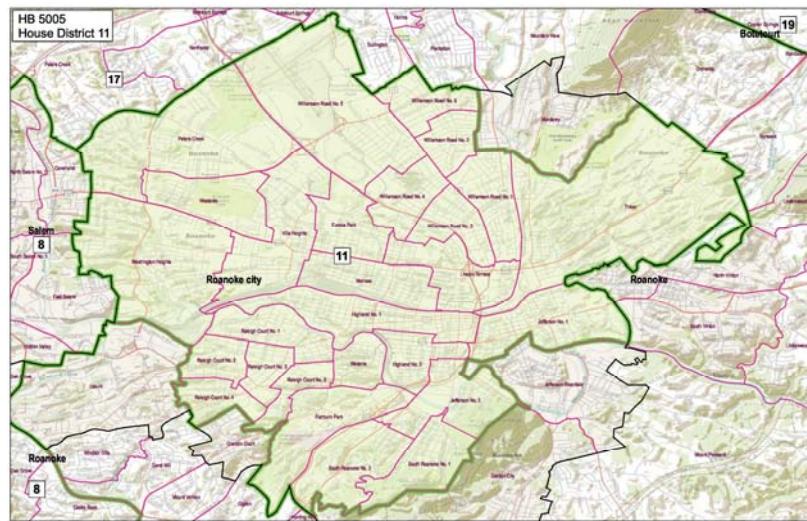
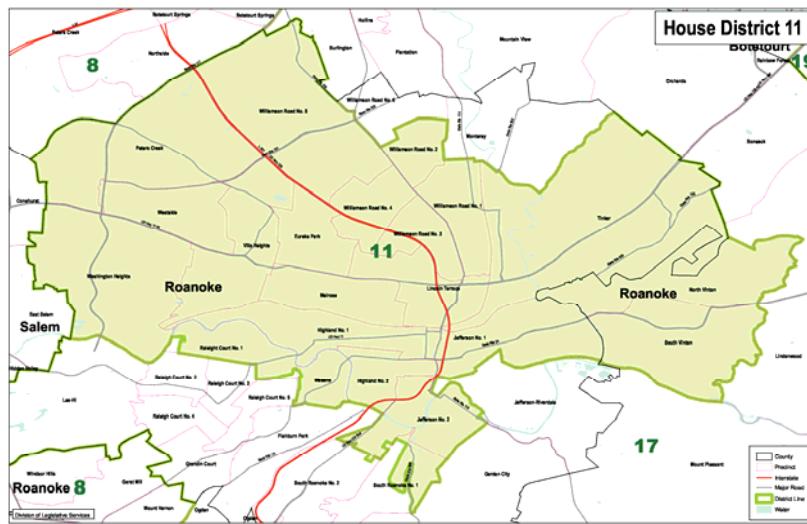
JA 1324



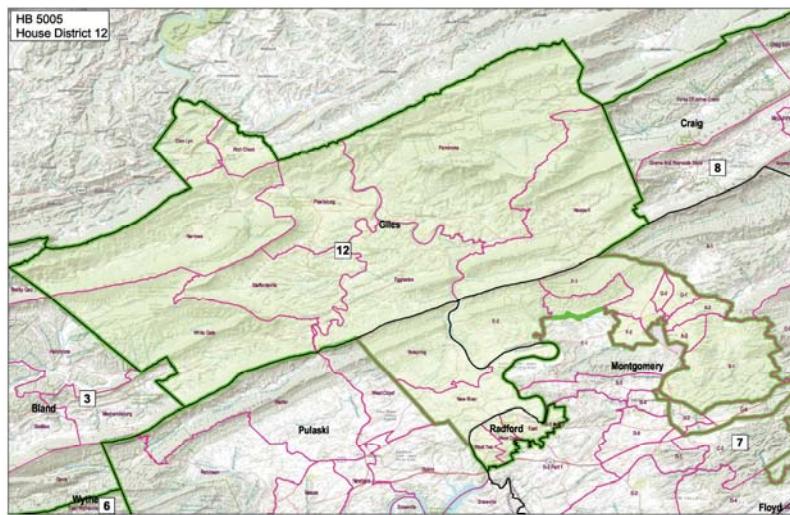
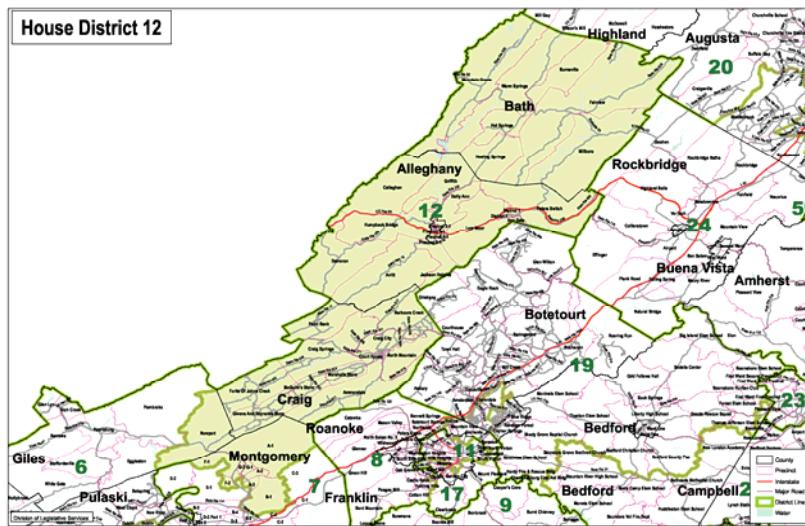
JA 1325



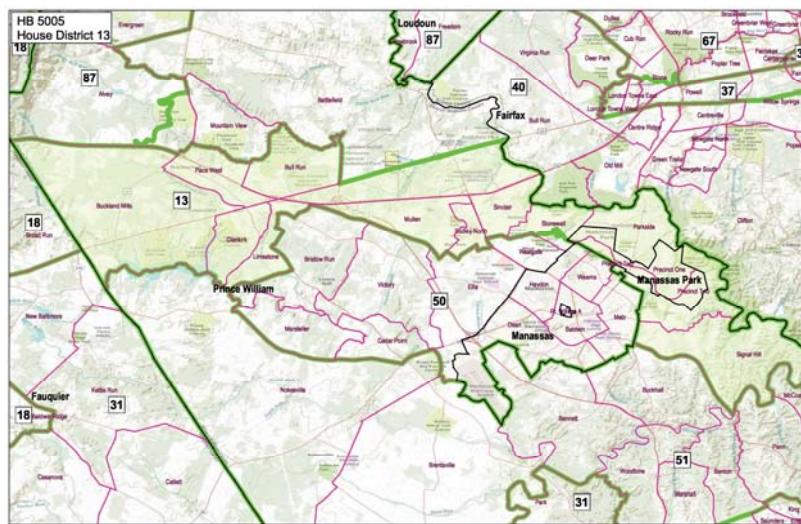
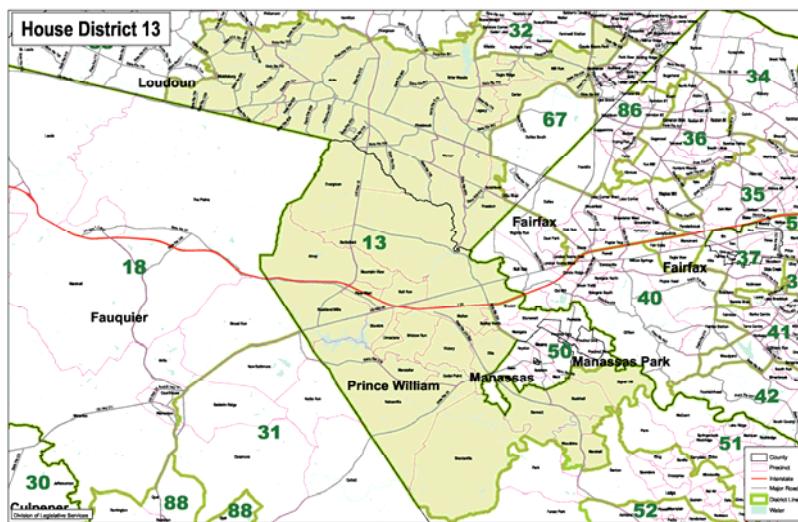
JA 1326



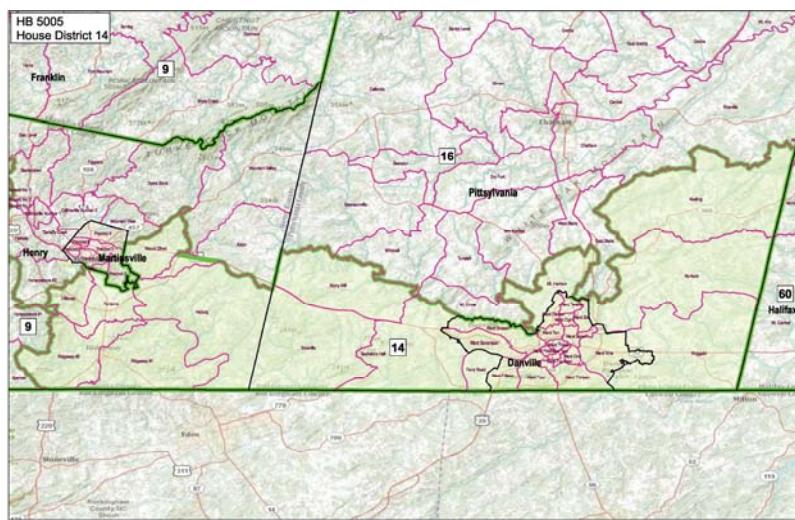
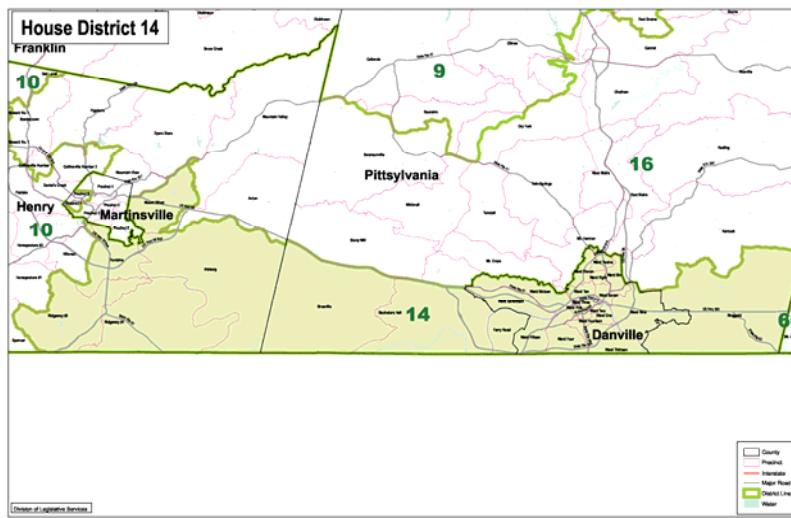
JA 1327



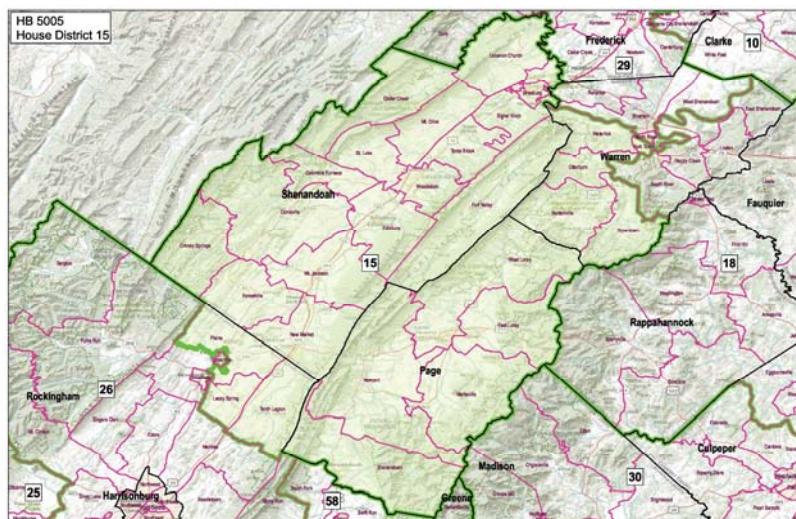
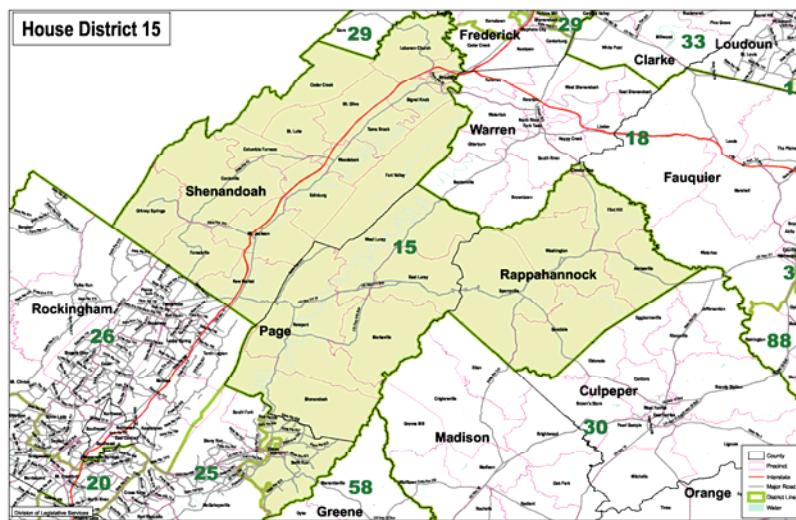
JA 1328



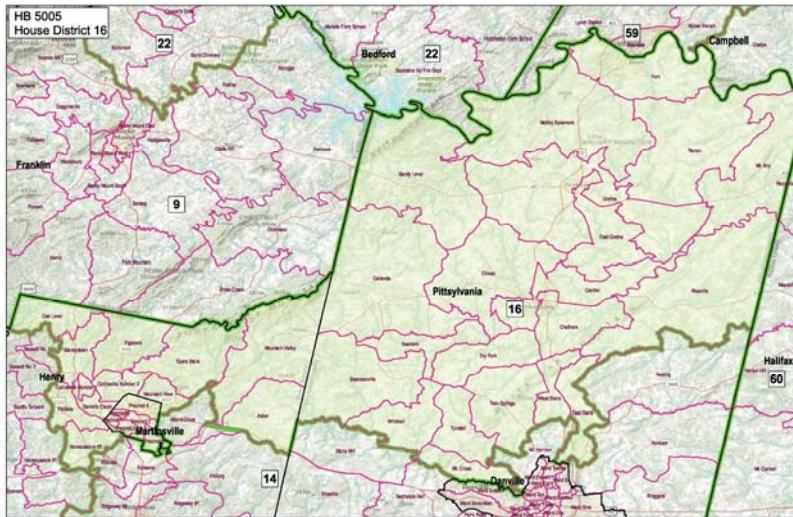
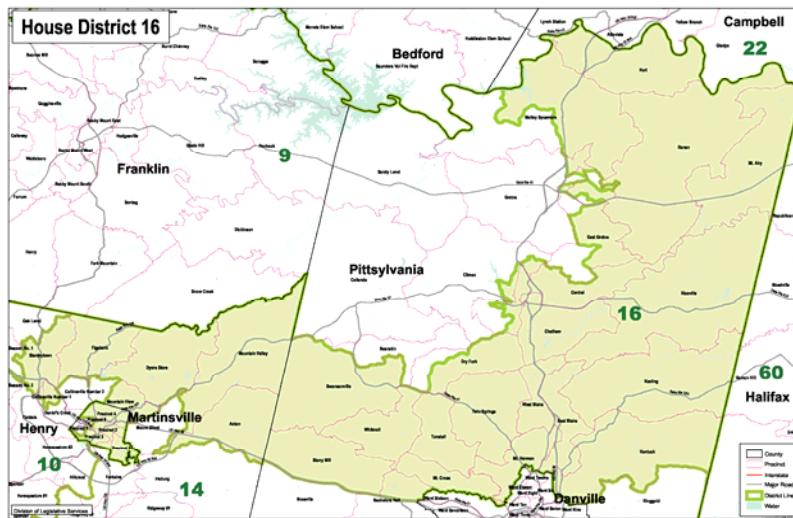
JA 1329



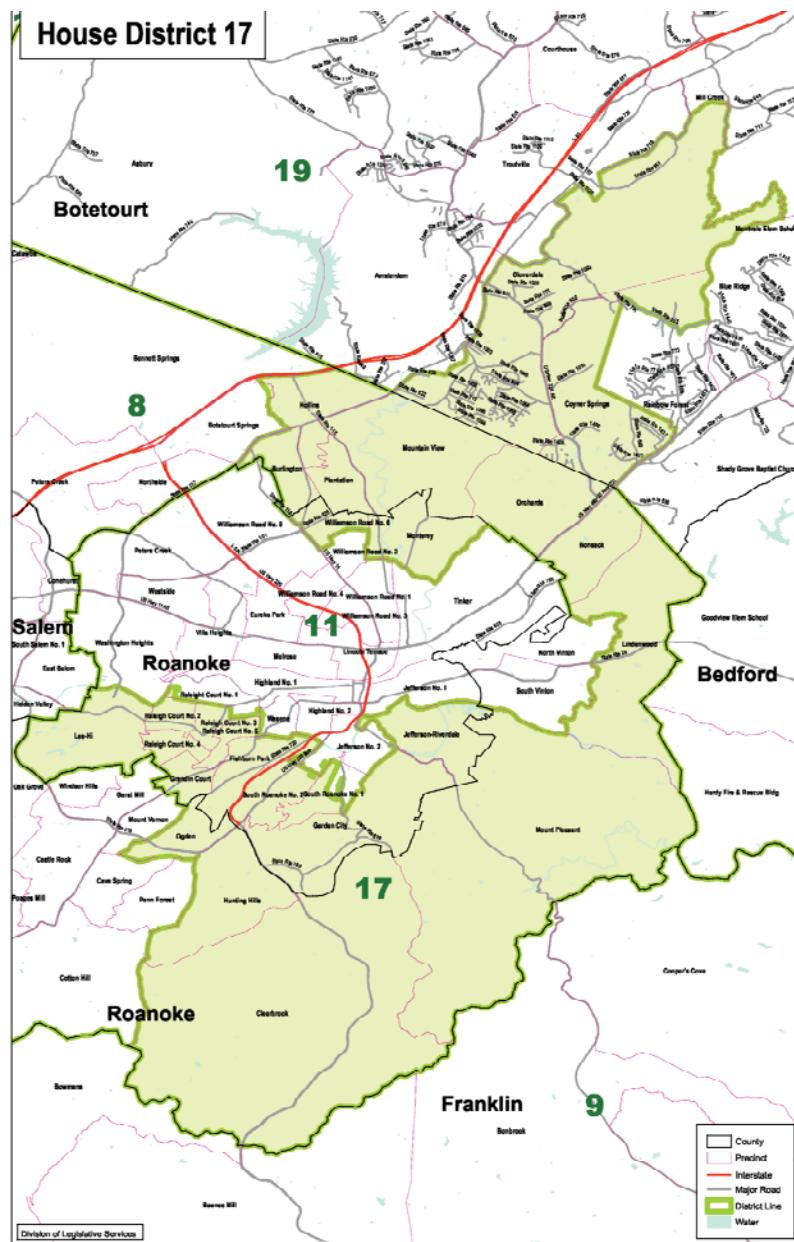
JA 1330



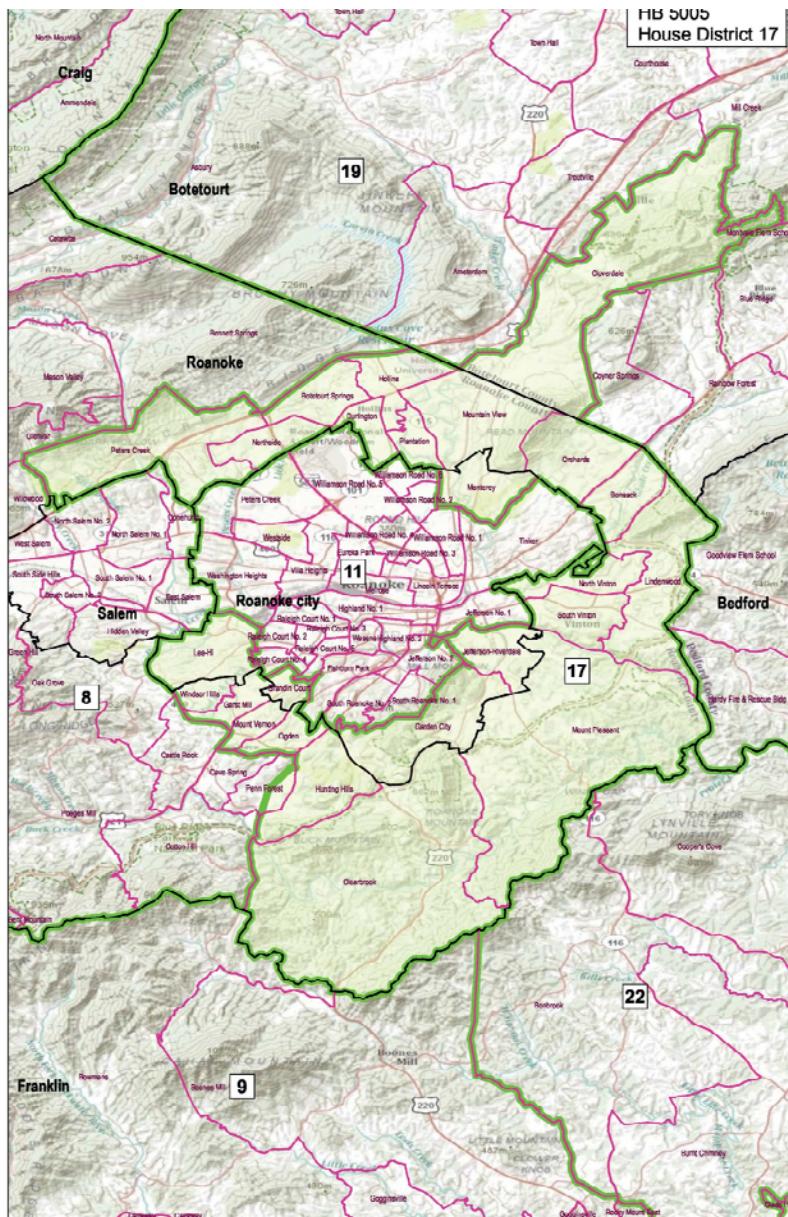
JA 1331



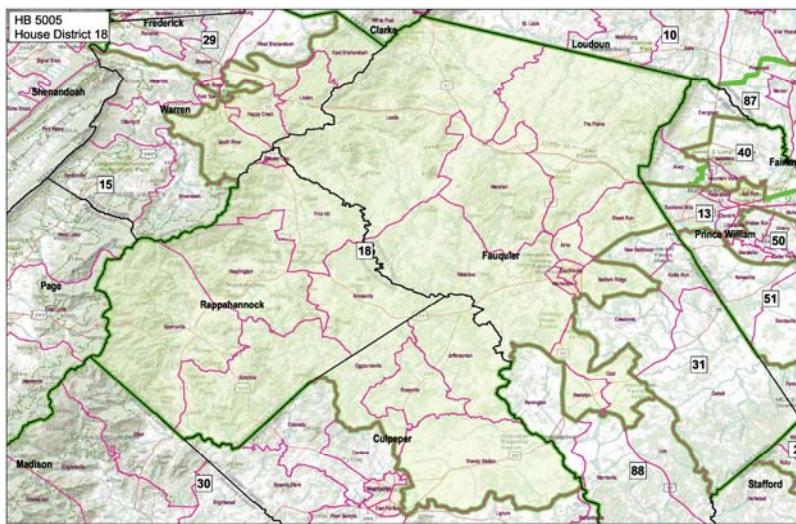
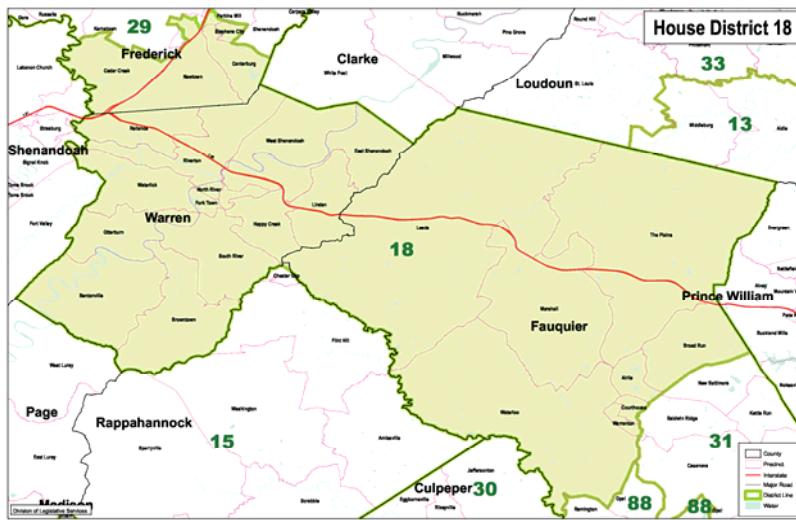
JA 1332



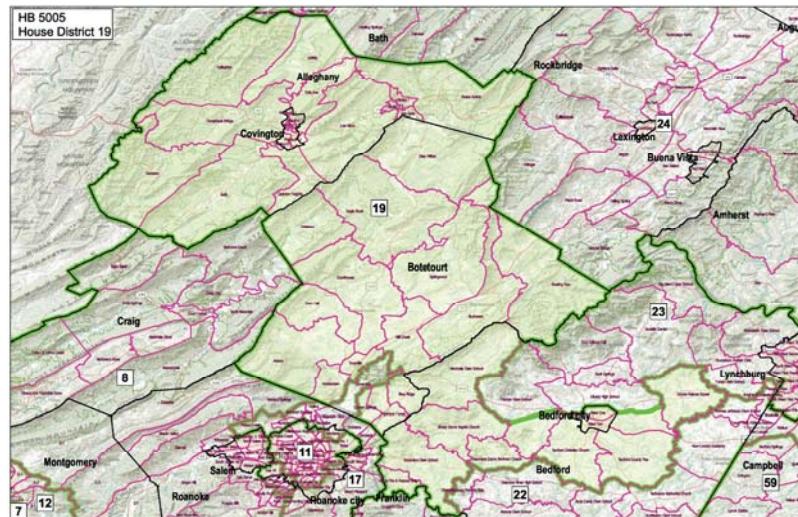
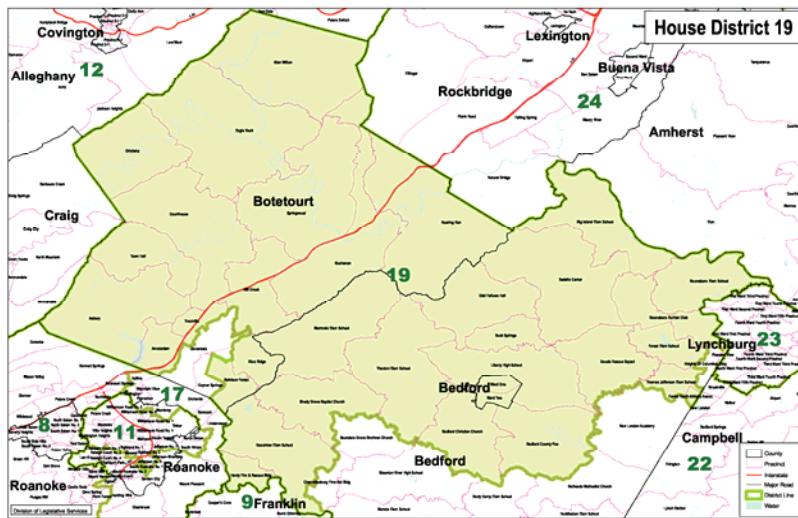
JA 1333



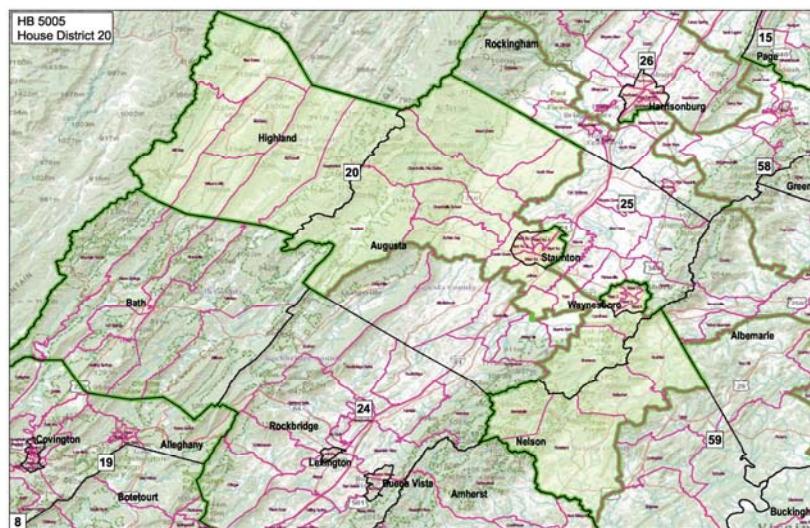
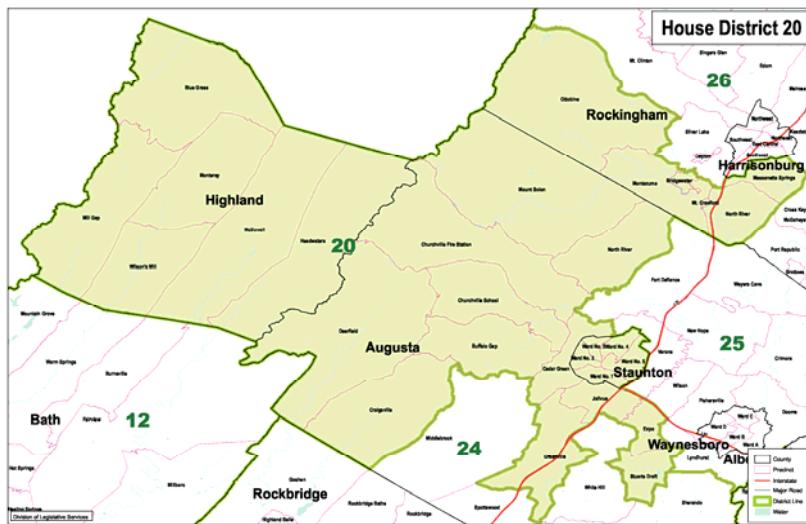
JA 1334



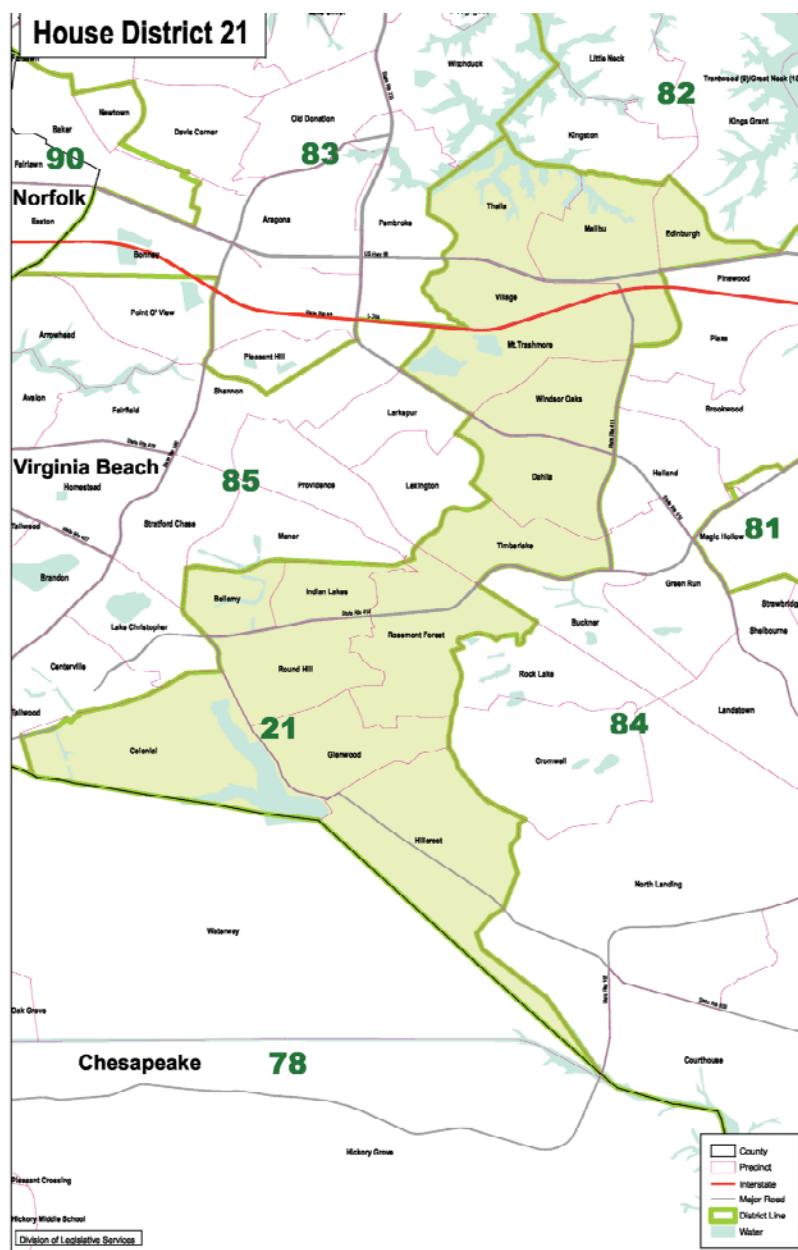
JA 1335



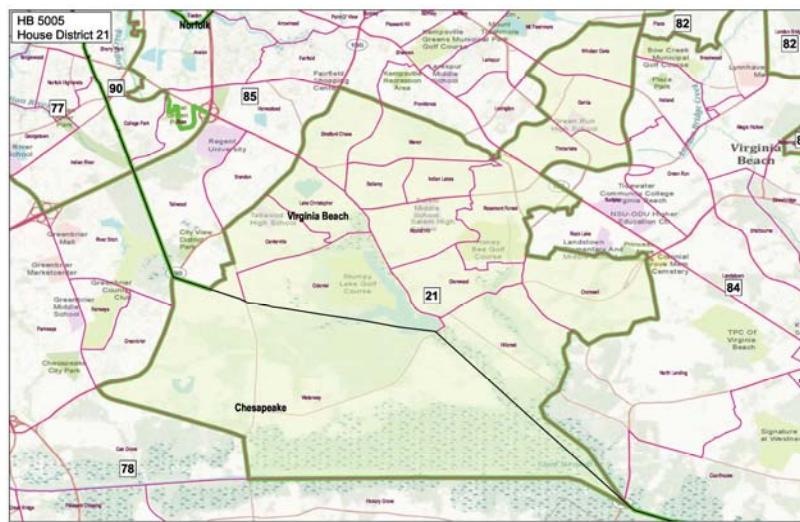
JA 1336



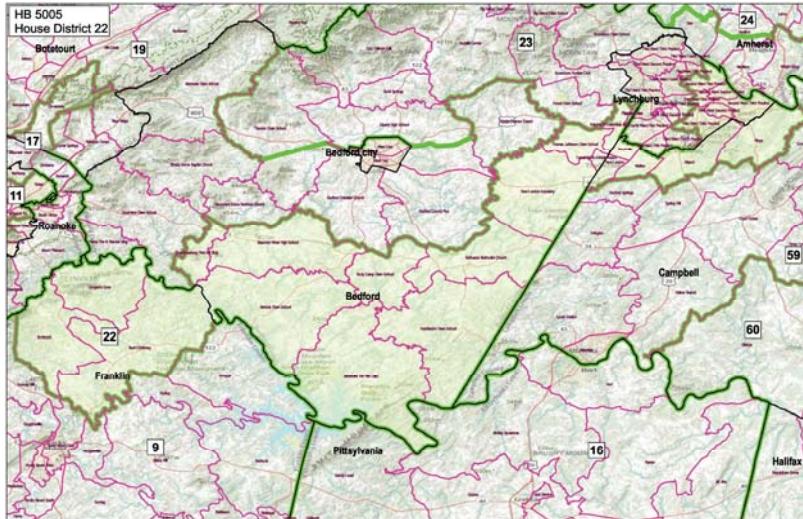
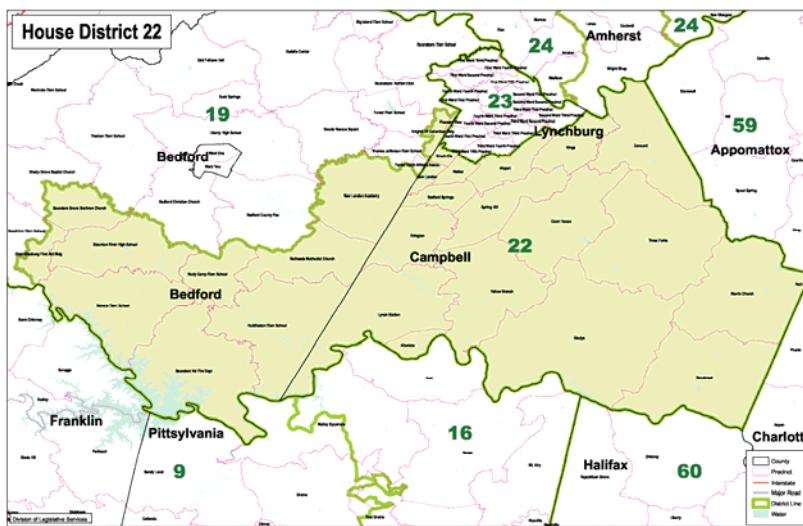
JA 1337



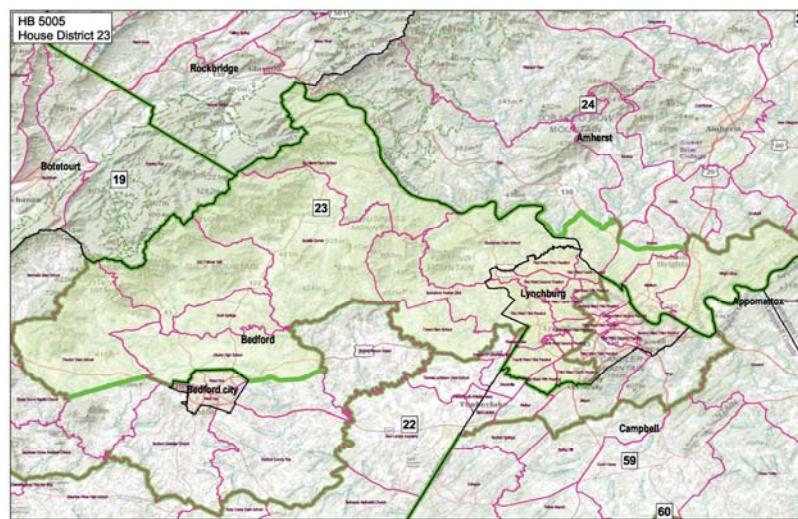
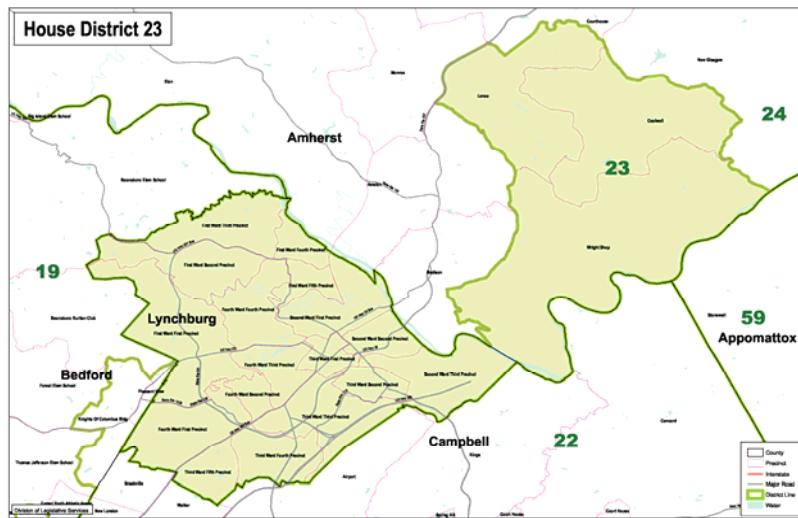
JA 1338



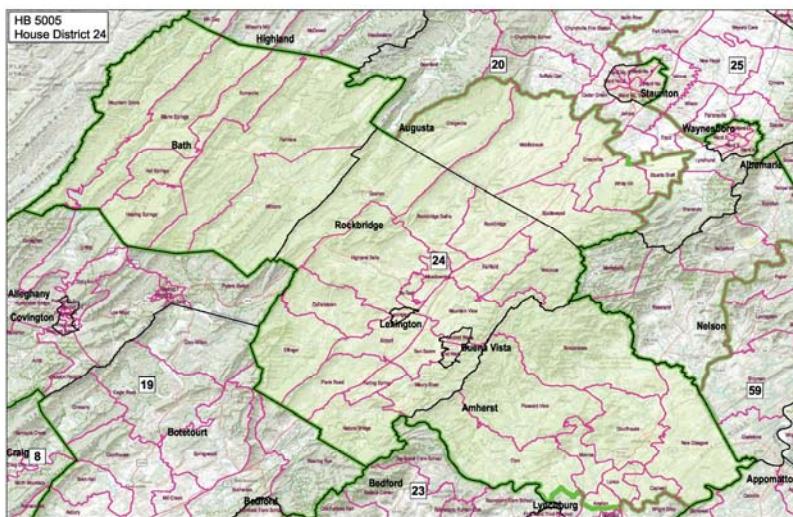
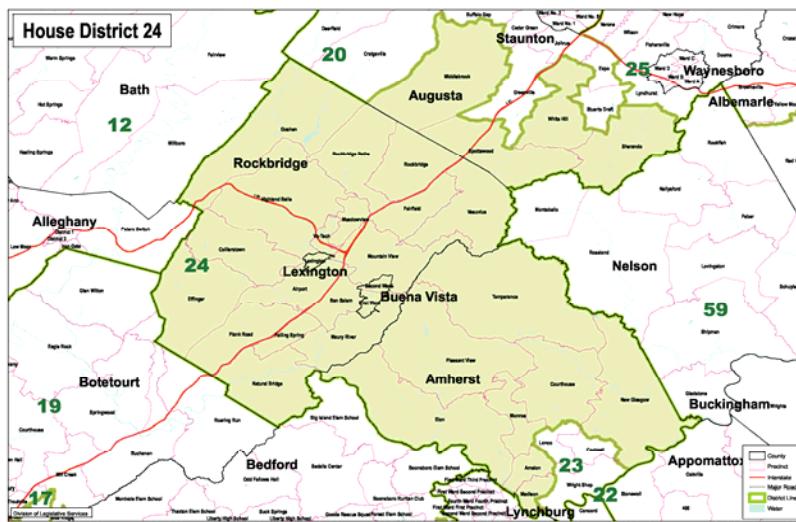
JA 1339



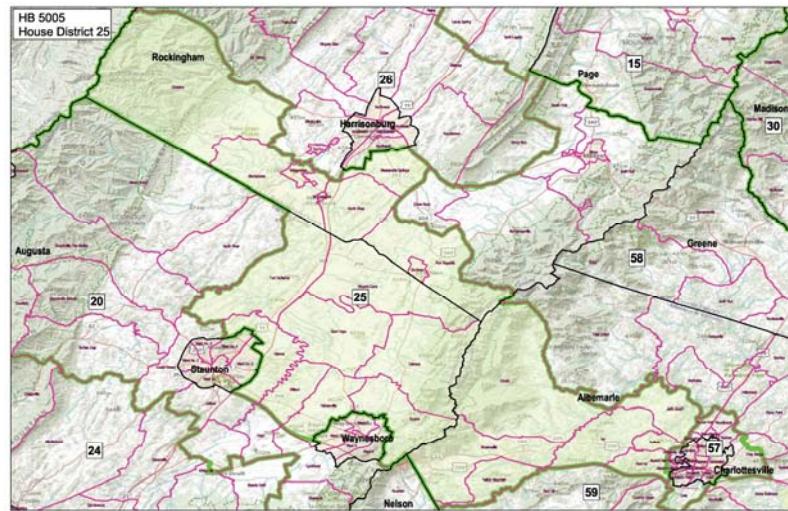
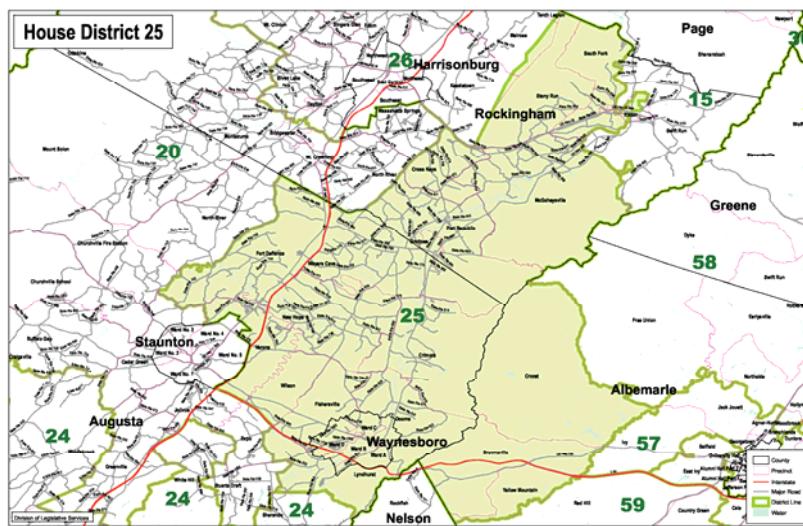
JA 1340



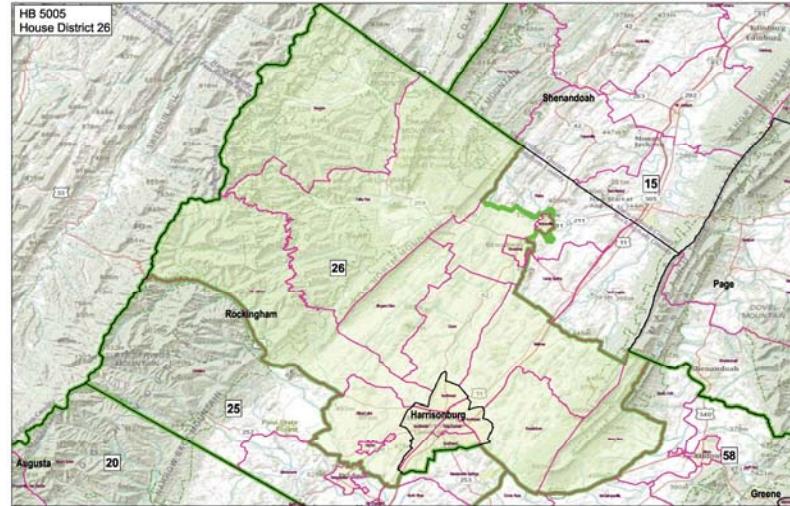
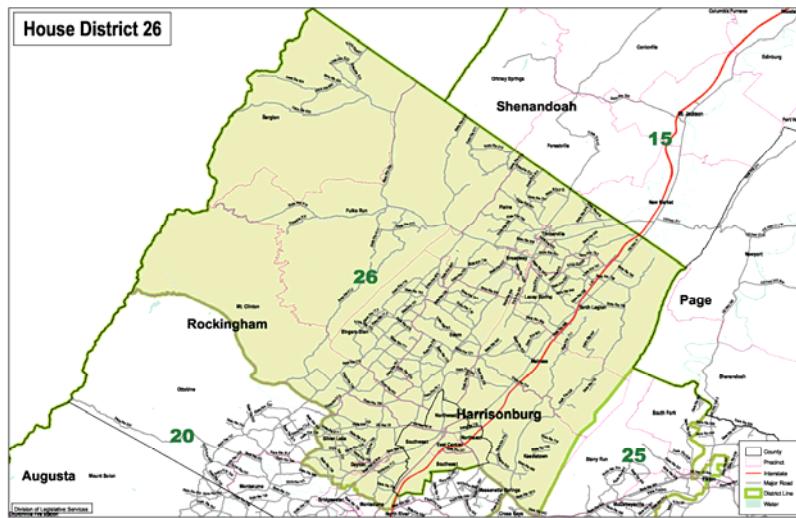
JA 1341



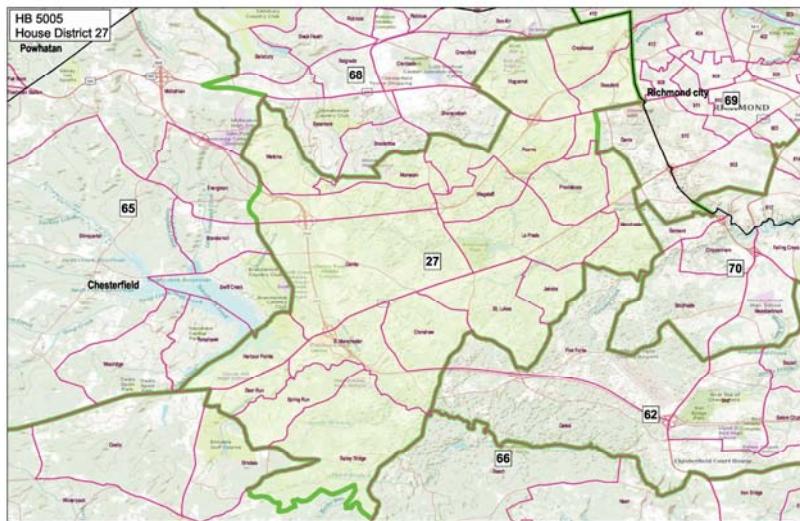
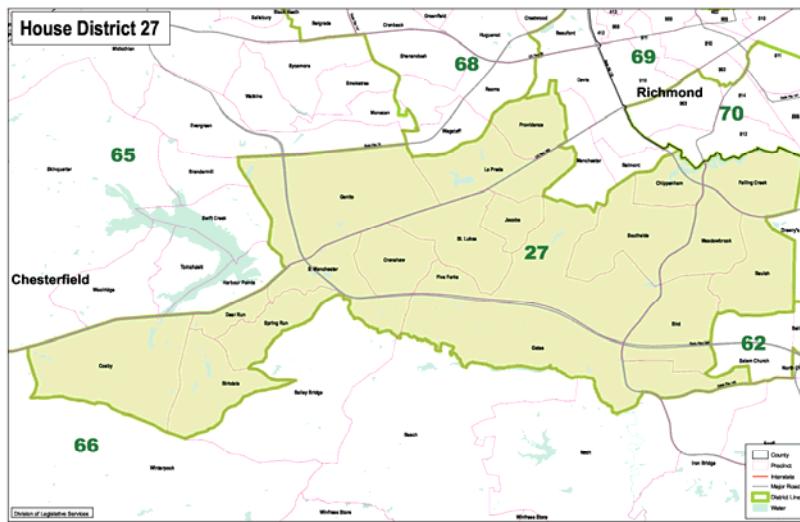
JA 1342



JA 1343



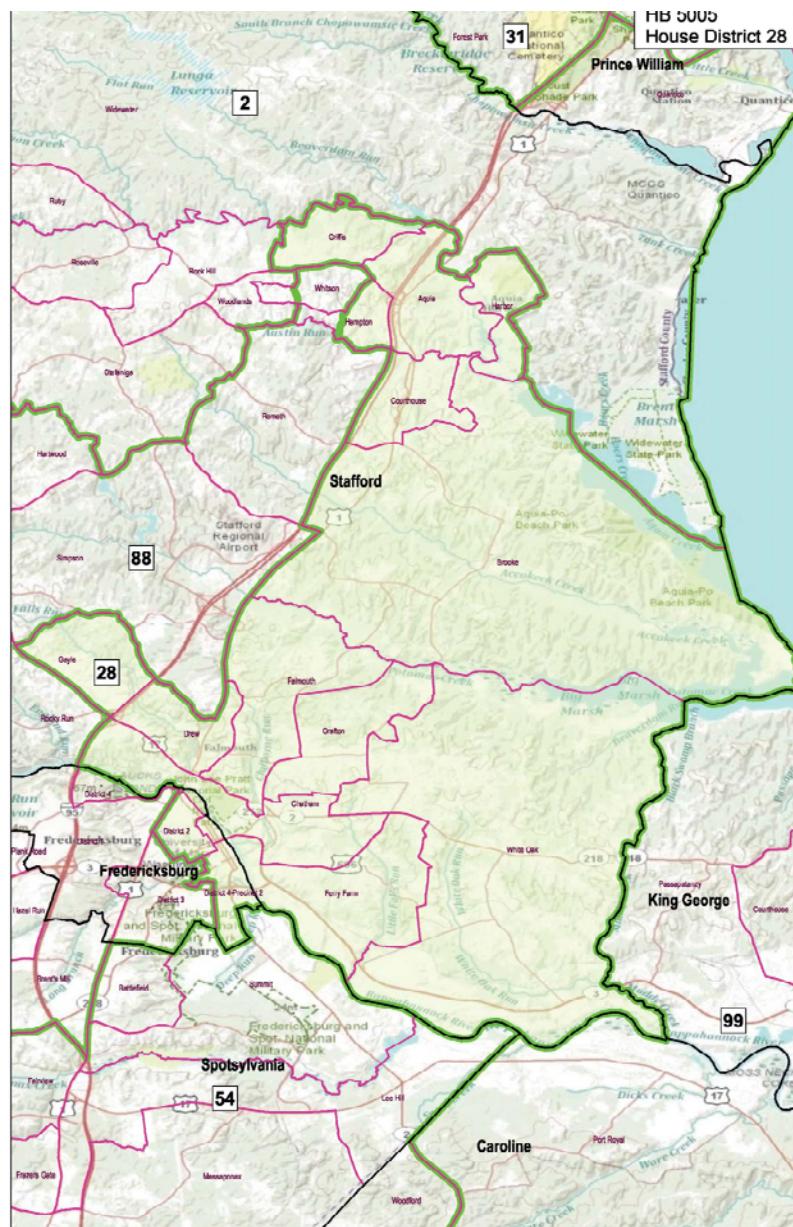
JA 1344



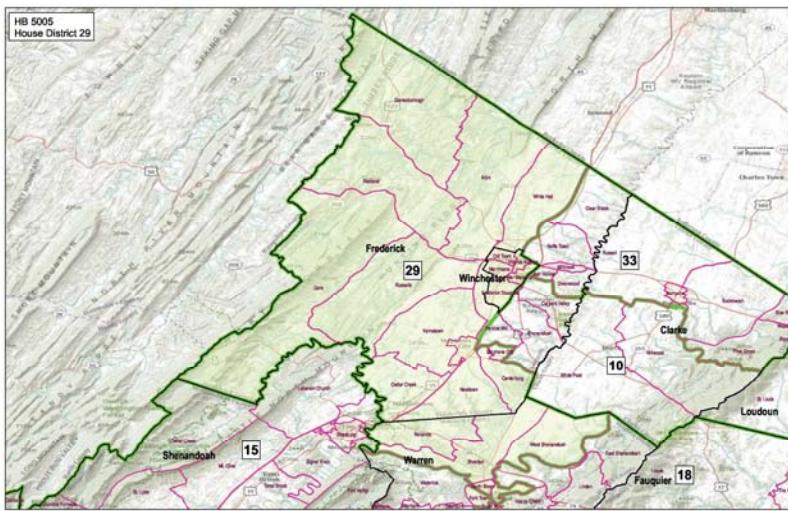
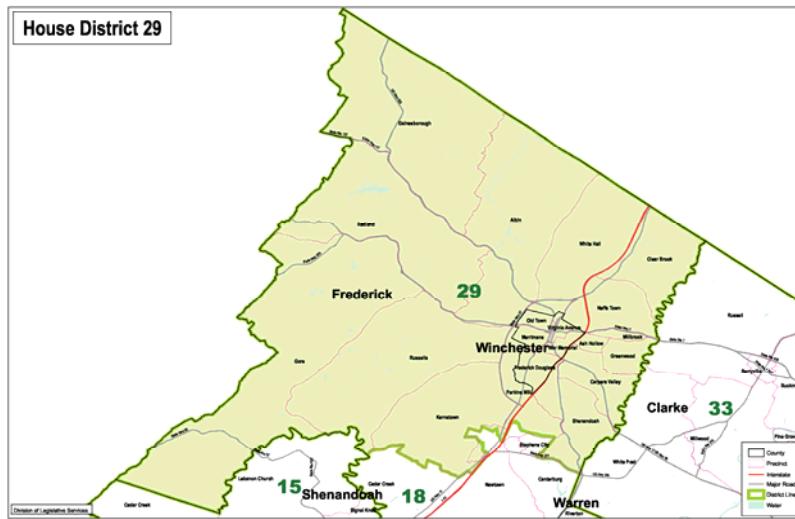
JA 1345



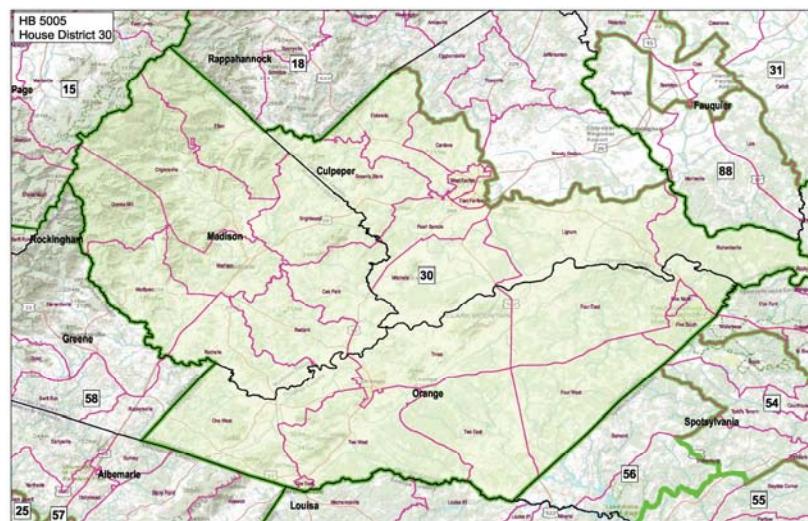
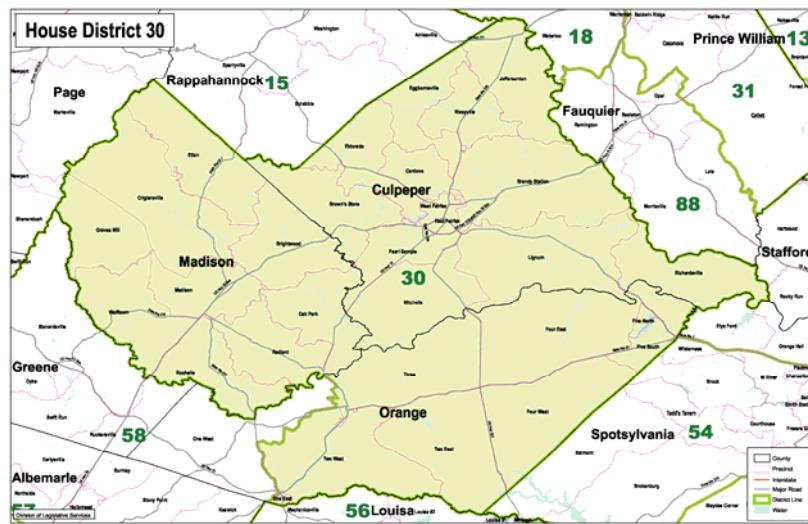
JA 1346



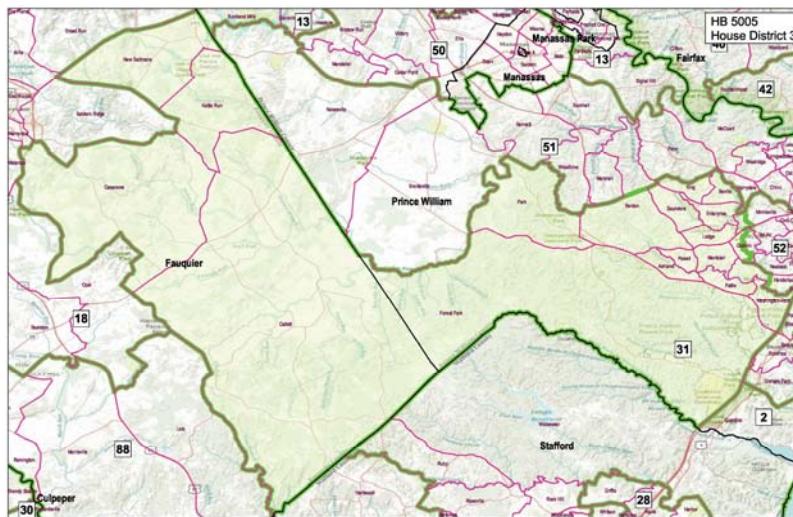
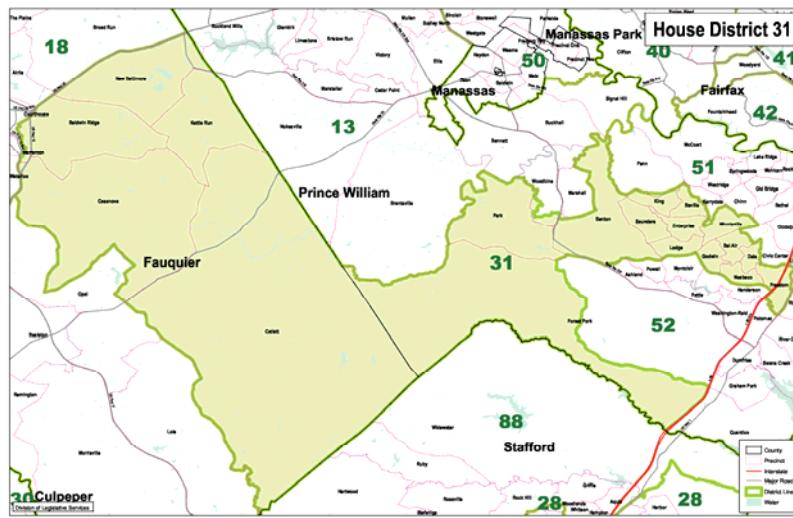
JA 1347



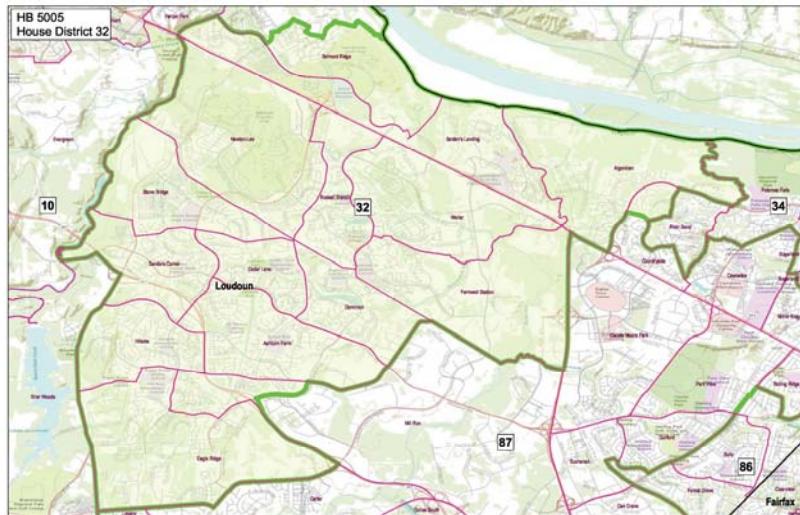
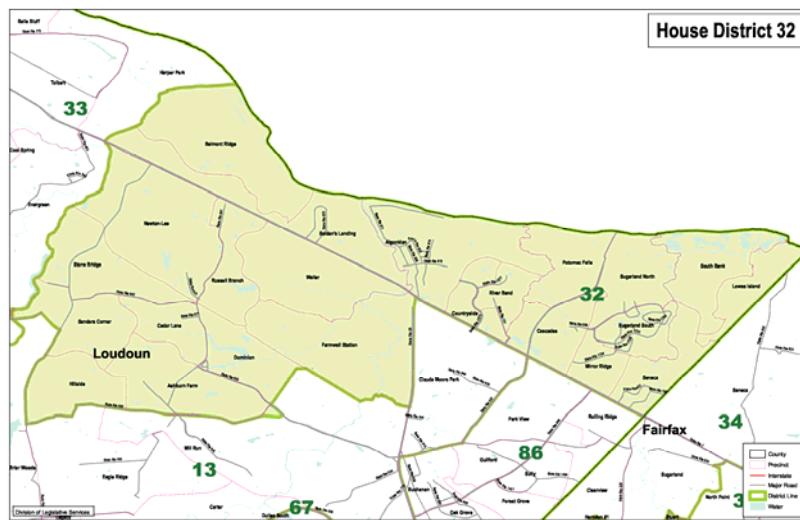
JA 1348



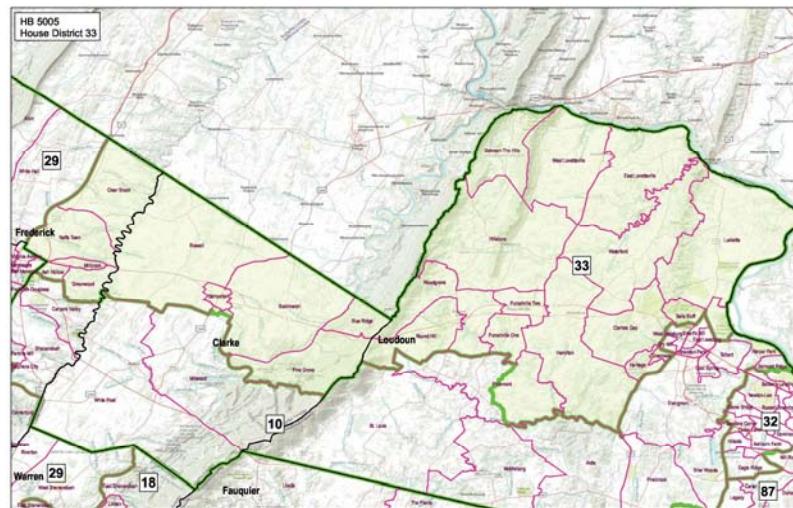
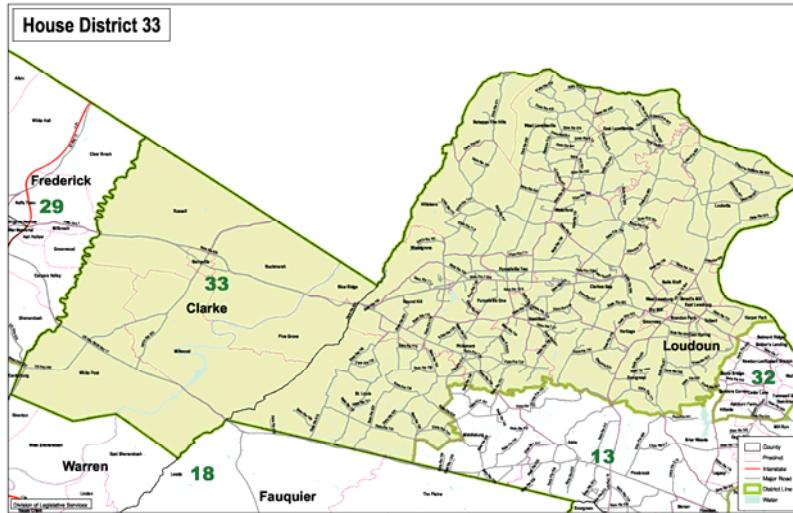
JA 1349



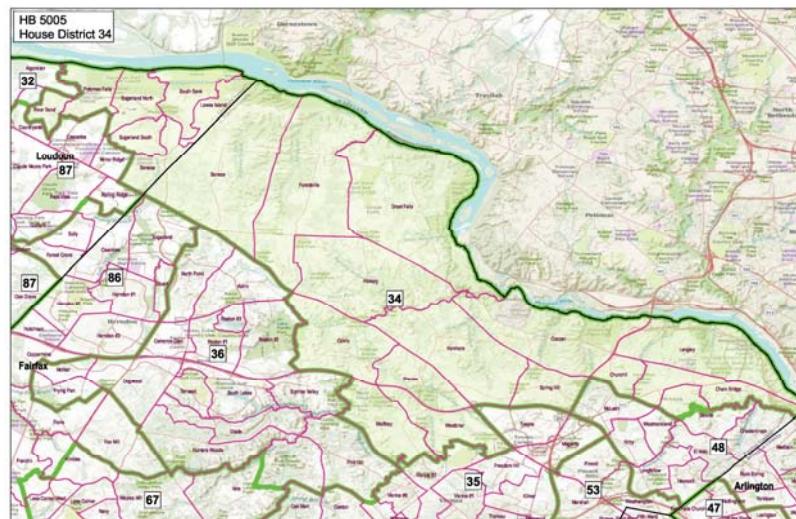
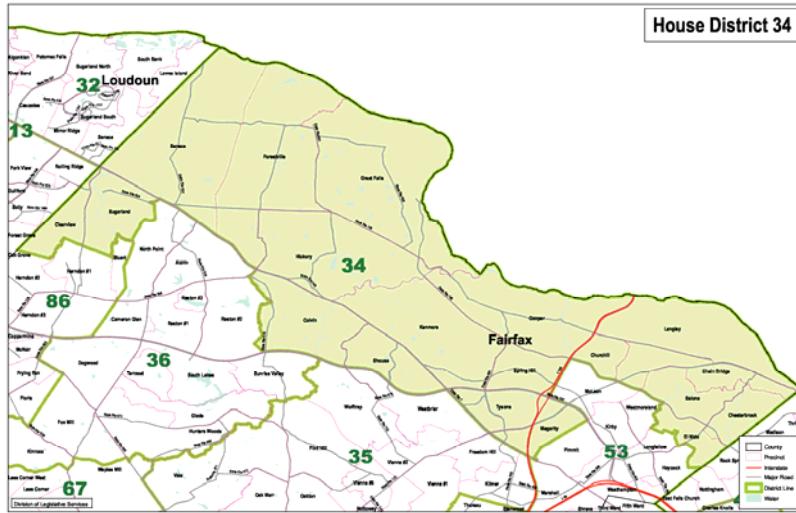
JA 1350



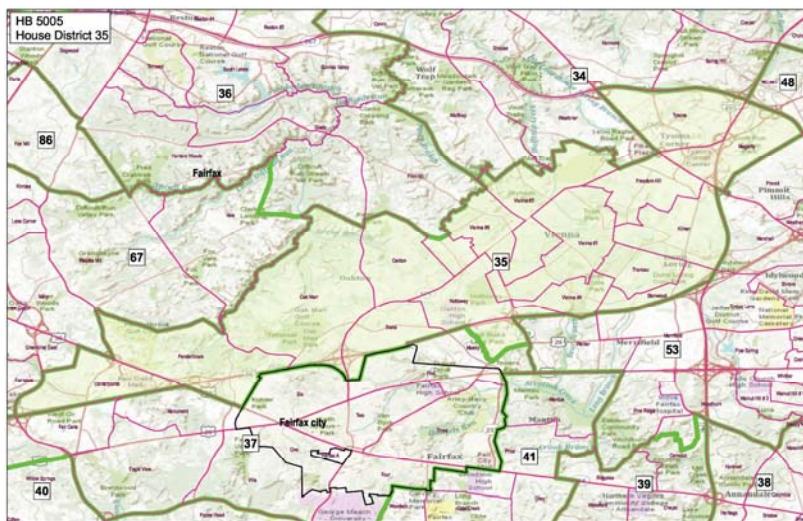
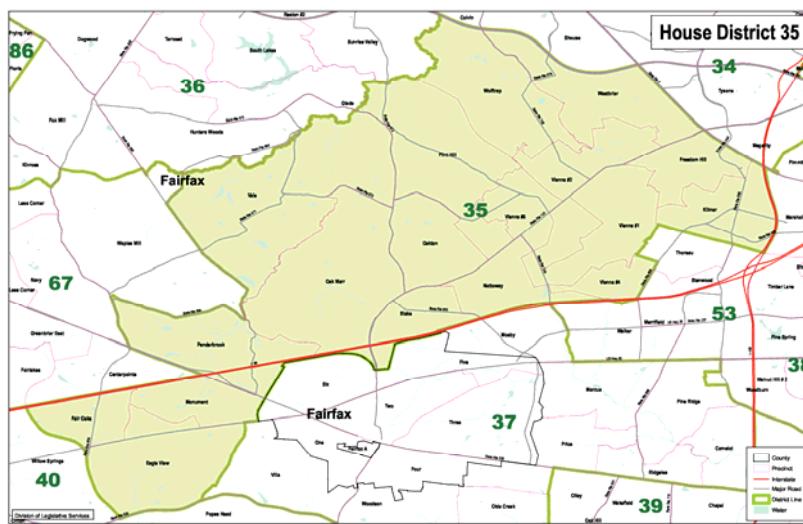
JA 1351



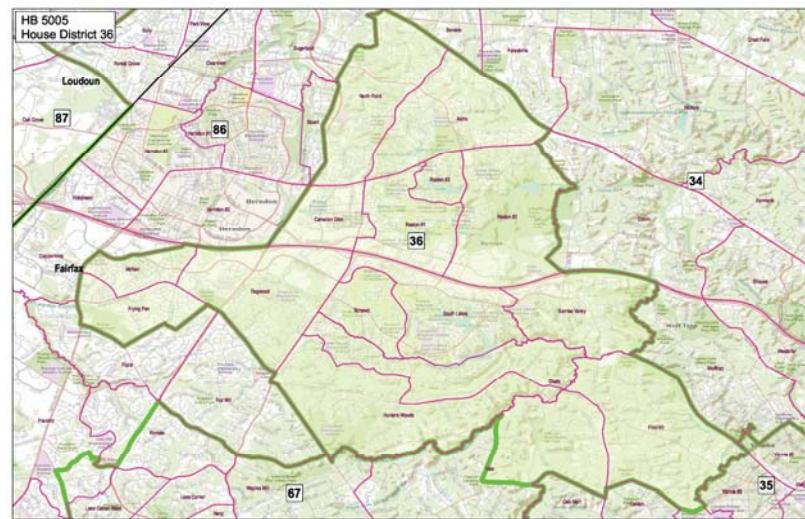
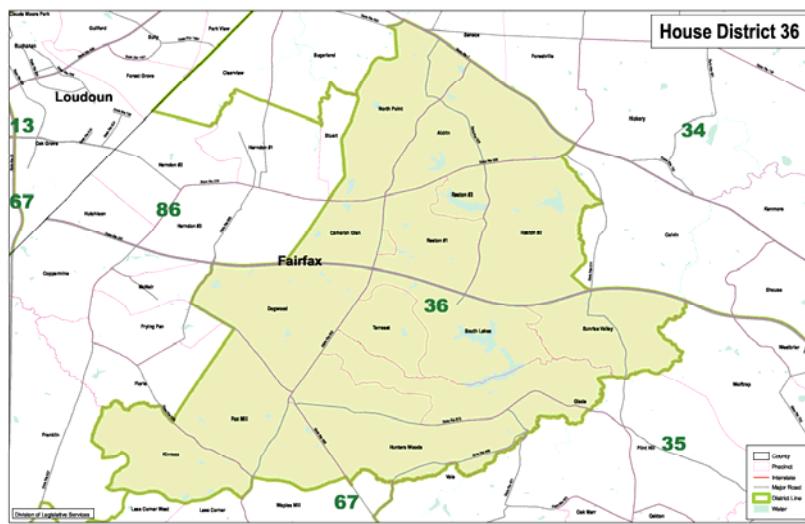
JA 1352



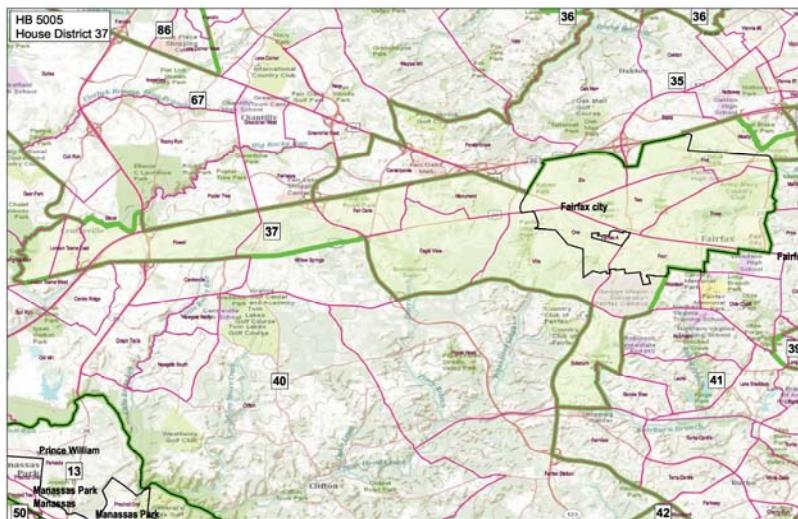
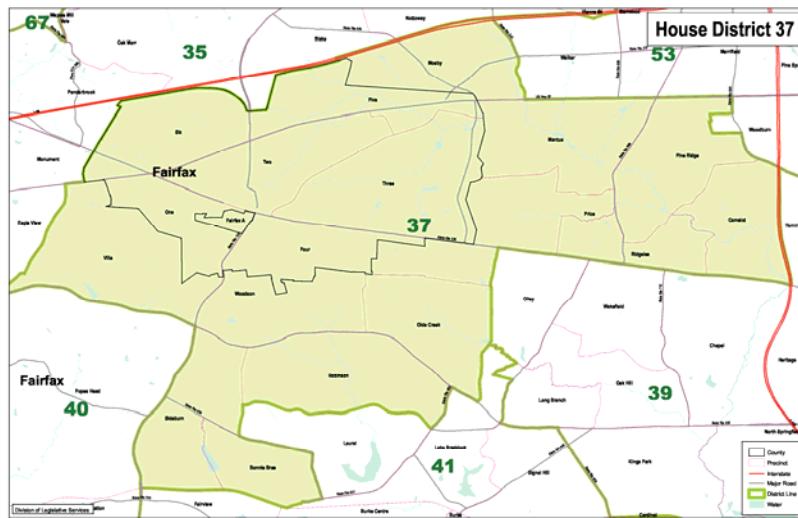
JA 1353



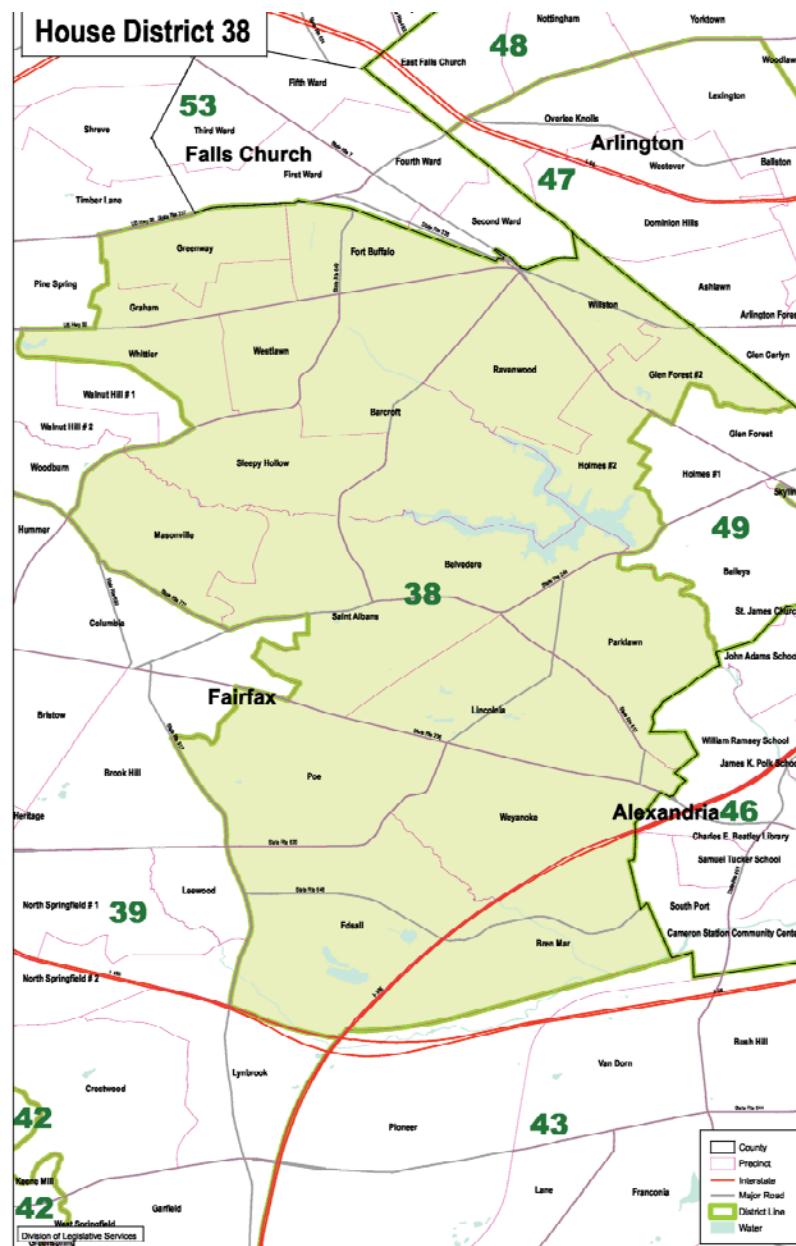
JA 1354



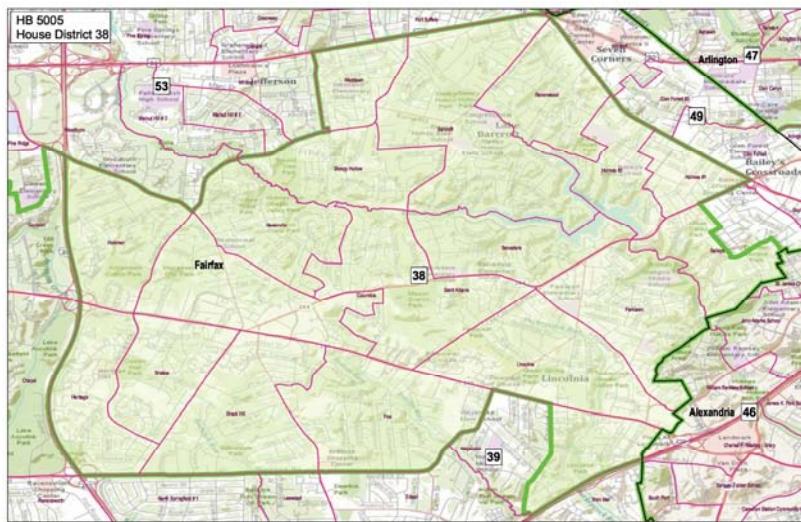
JA 1355



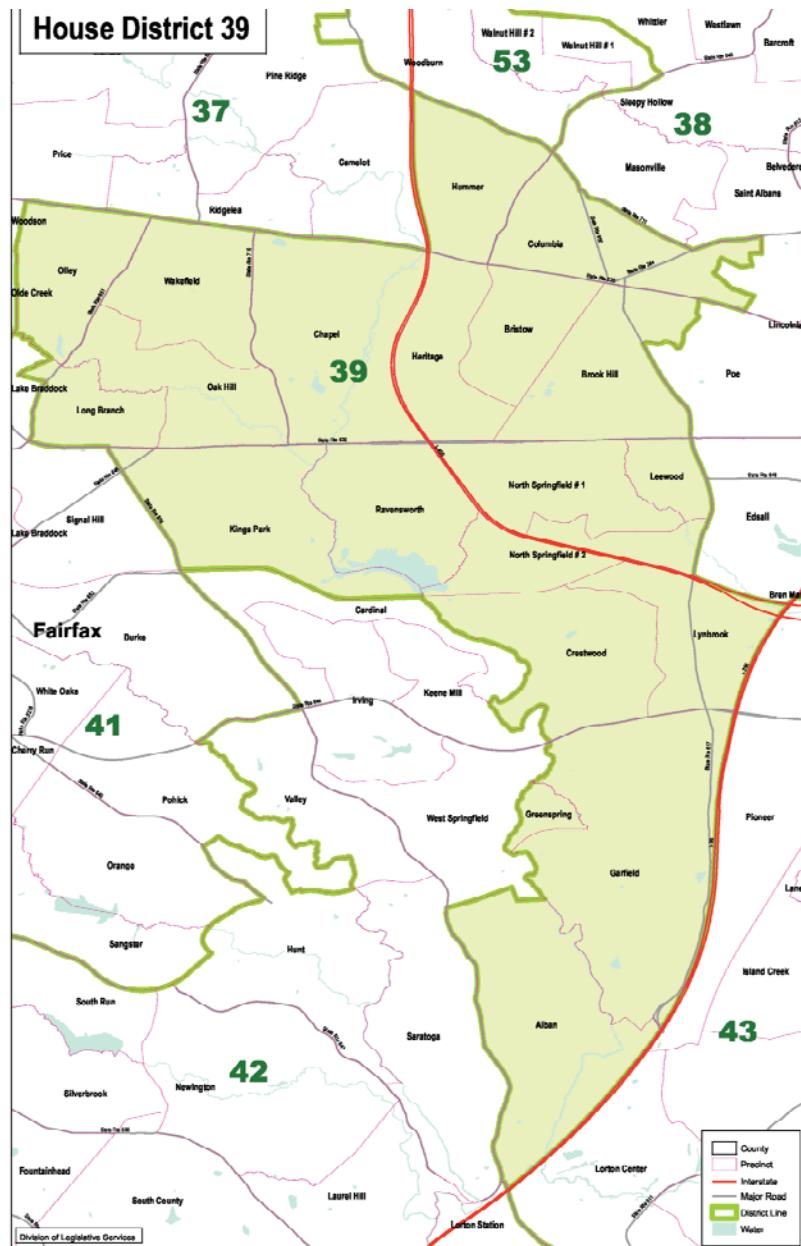
JA 1356



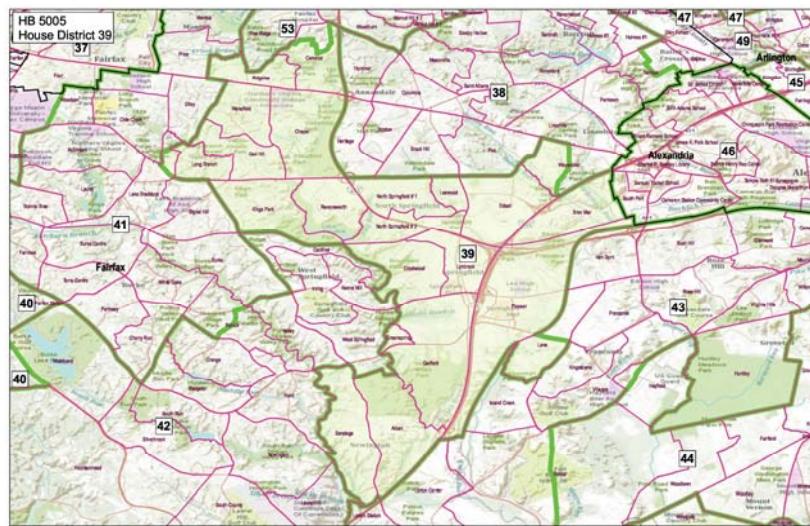
JA 1357



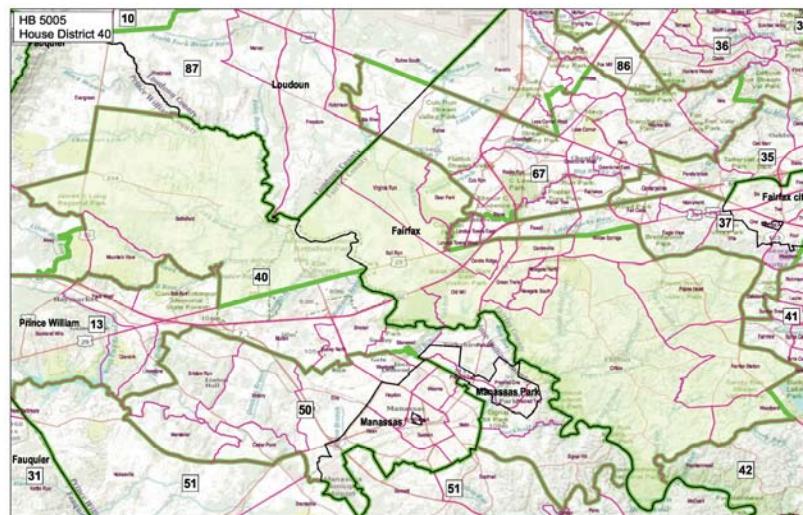
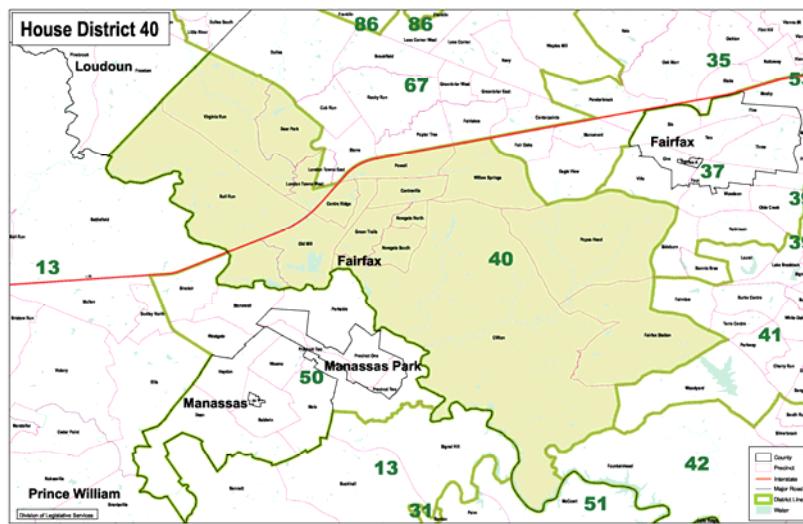
JA 1358



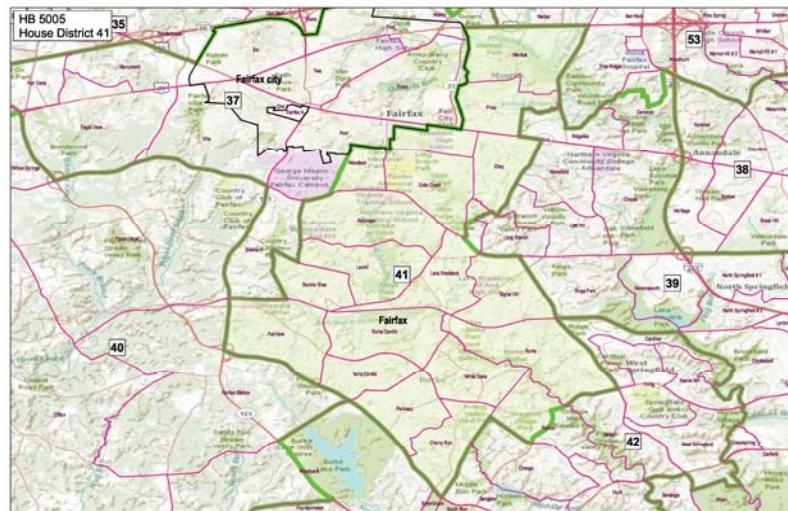
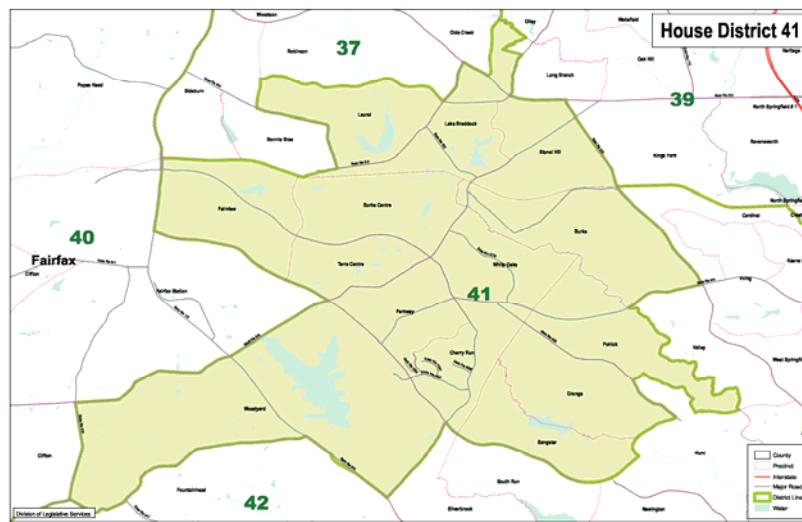
JA 1359



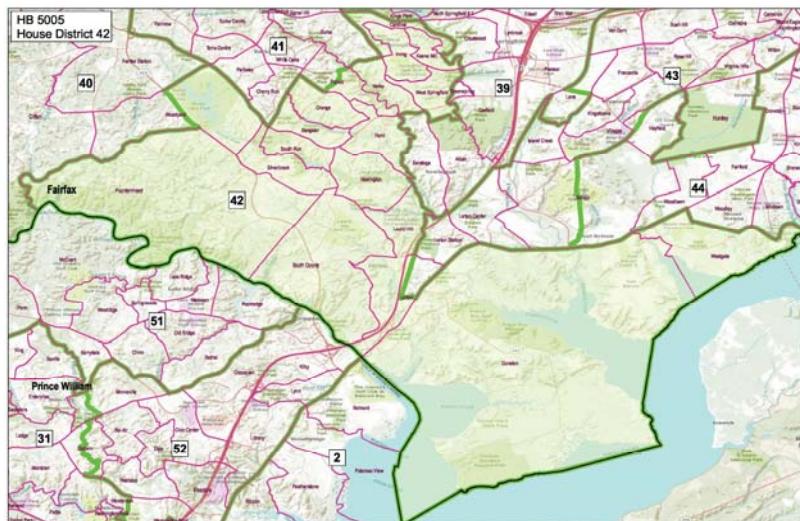
JA 1360



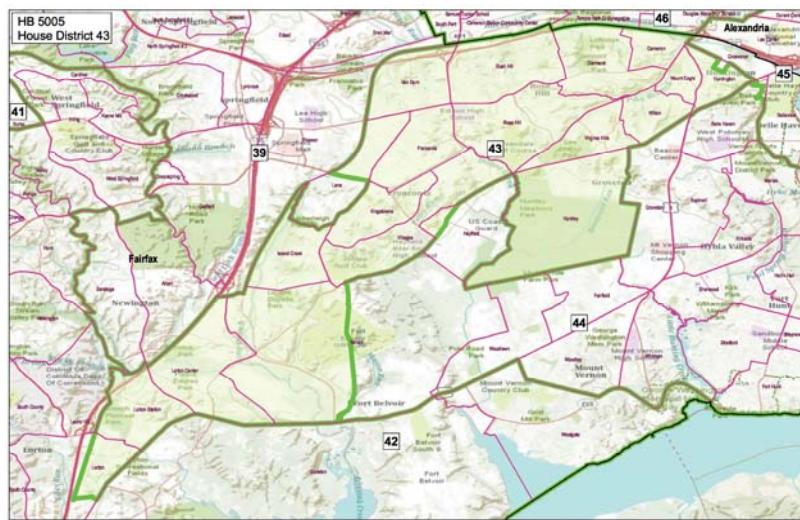
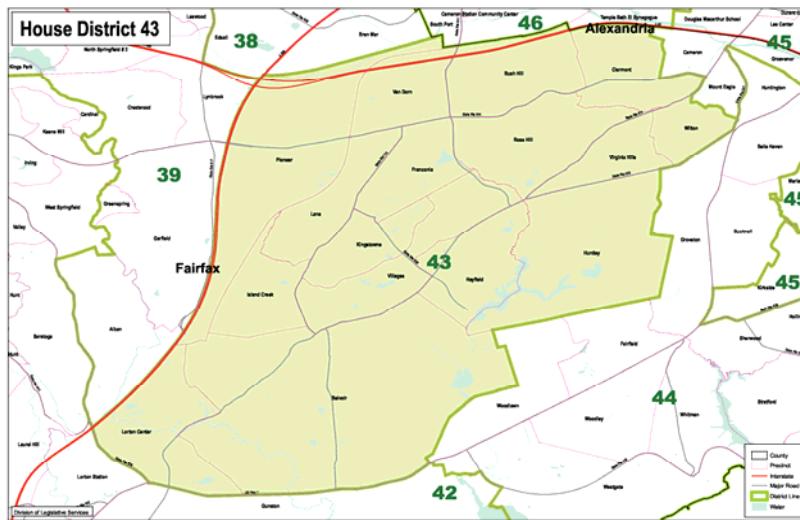
JA 1361



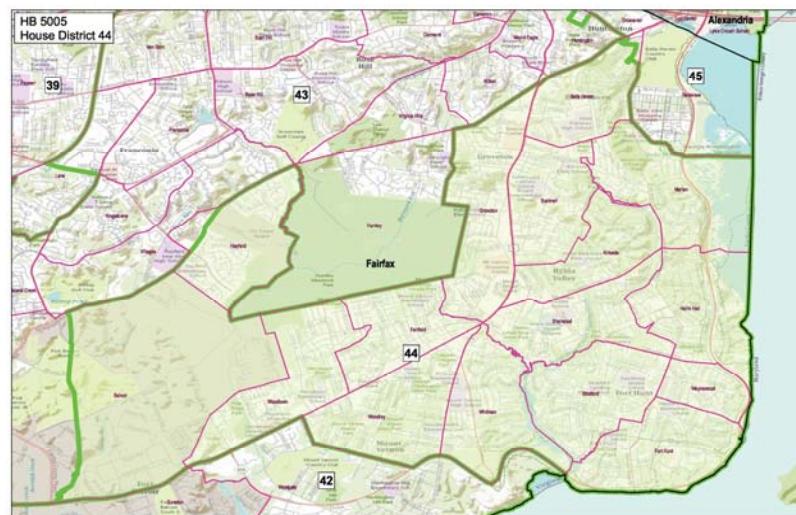
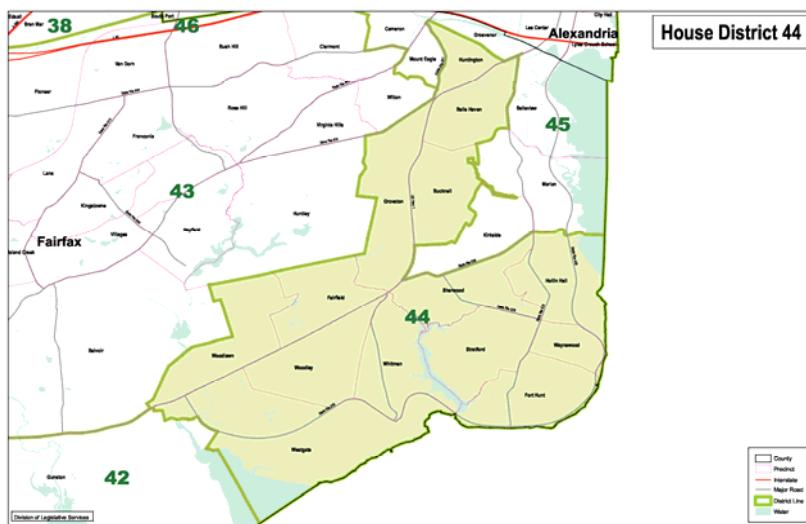
JA 1362



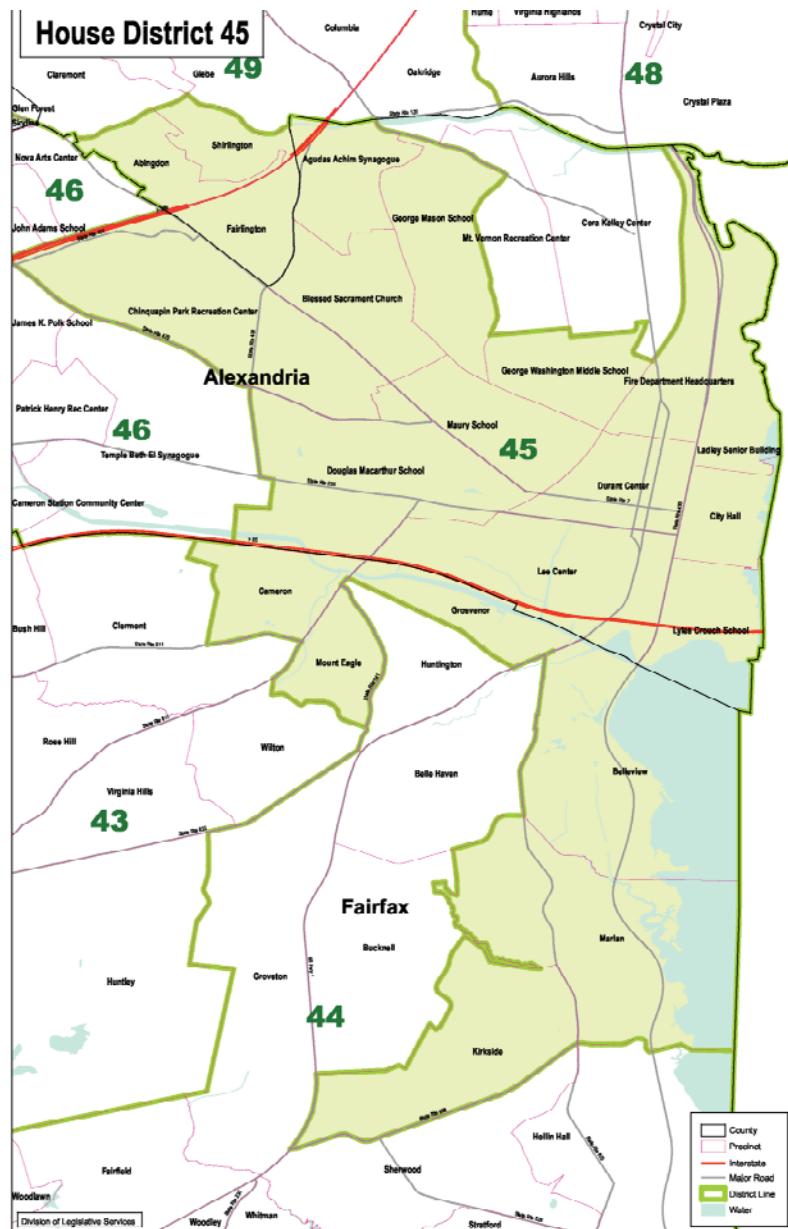
JA 1363



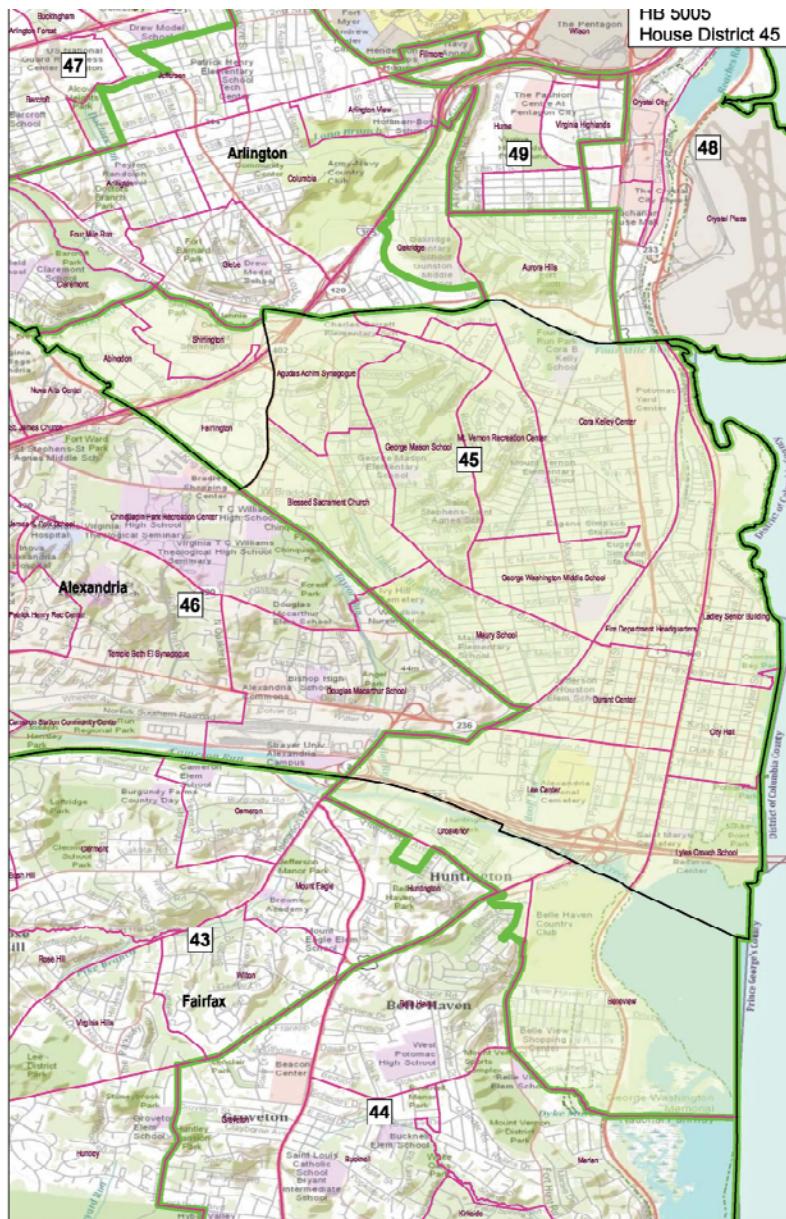
JA 1364



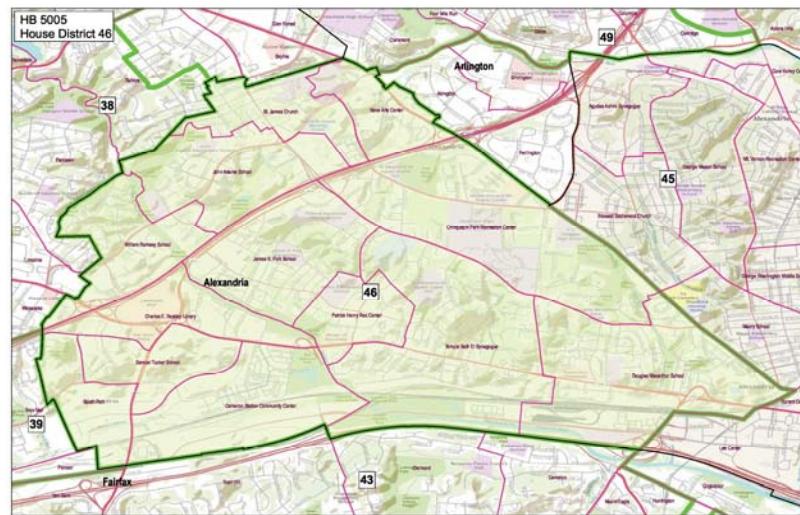
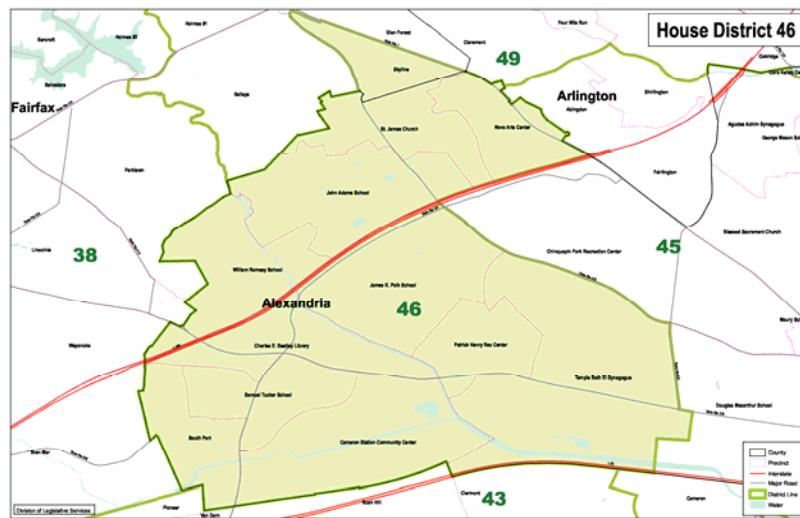
JA 1365



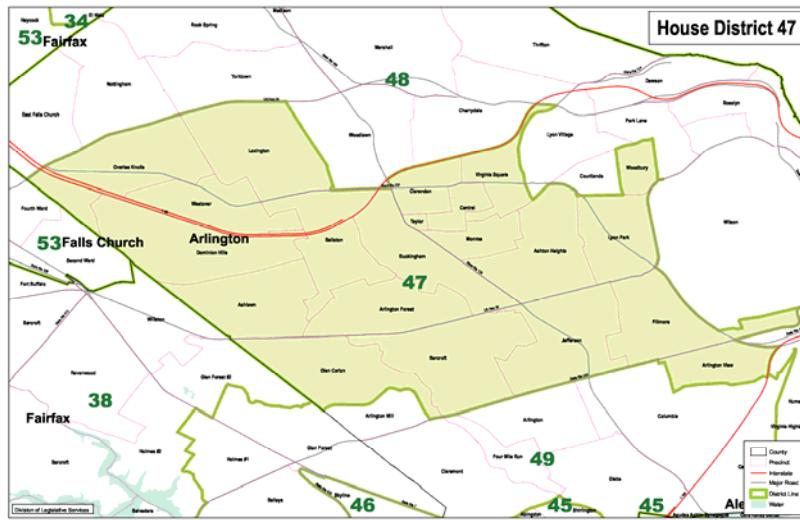
JA 1366



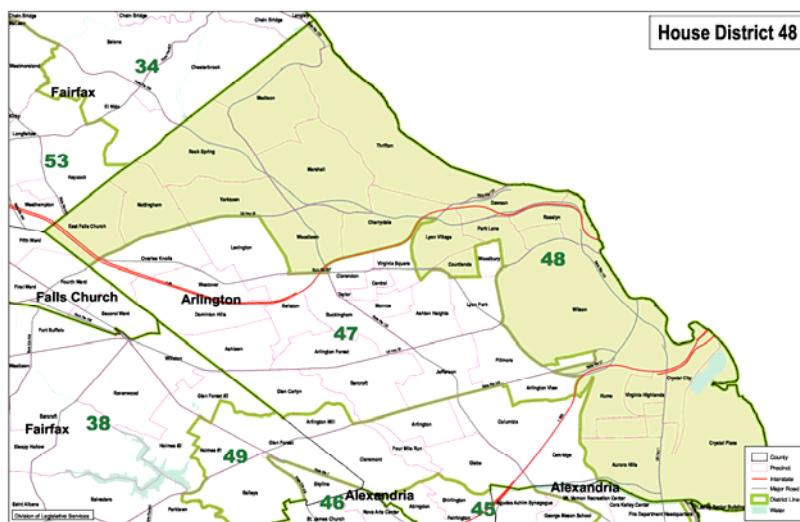
JA 1367



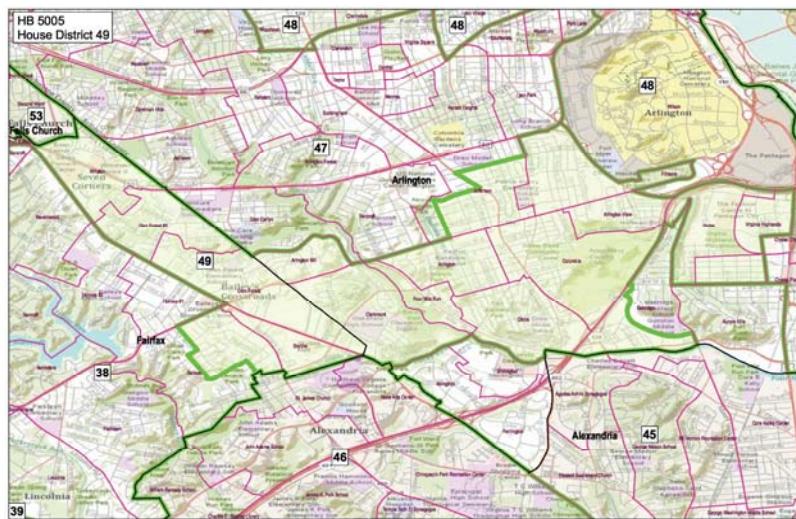
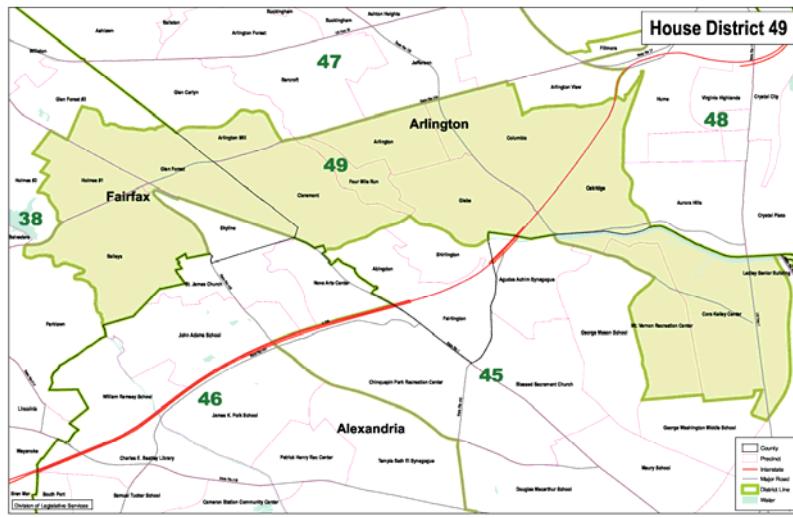
JA 1368



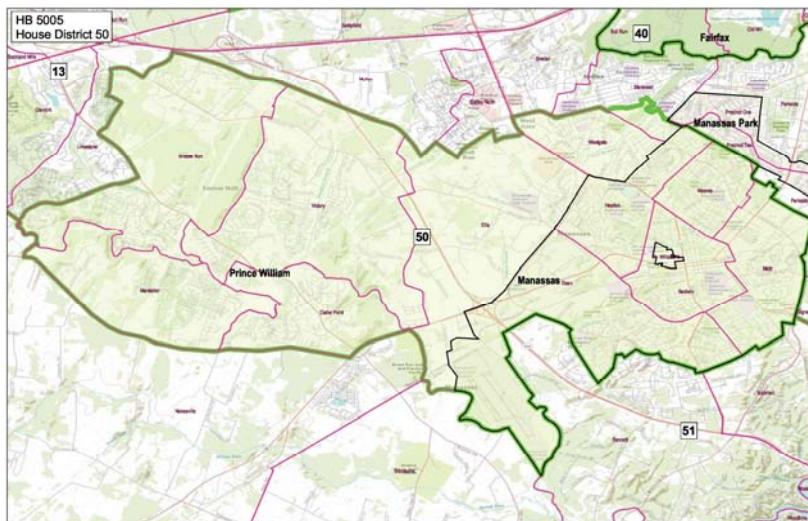
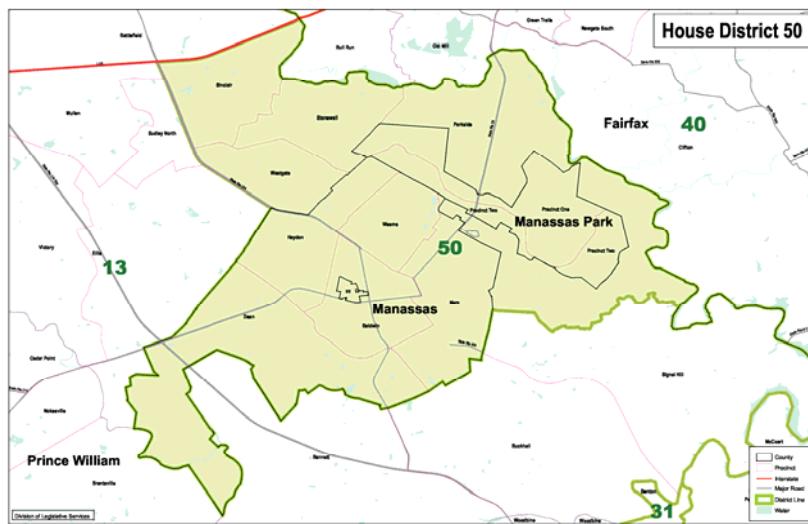
JA 1369



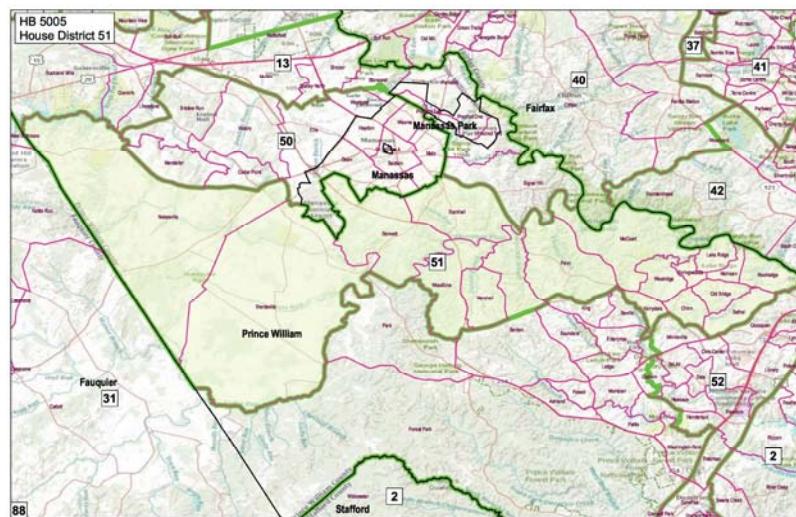
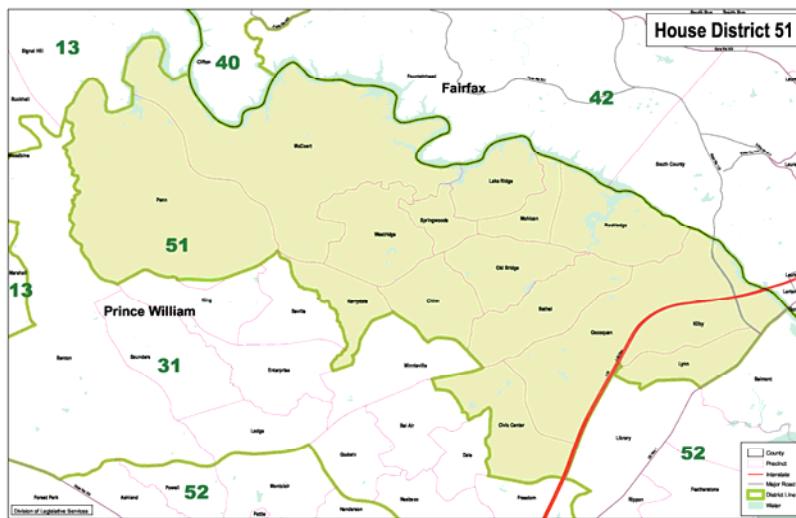
JA 1370



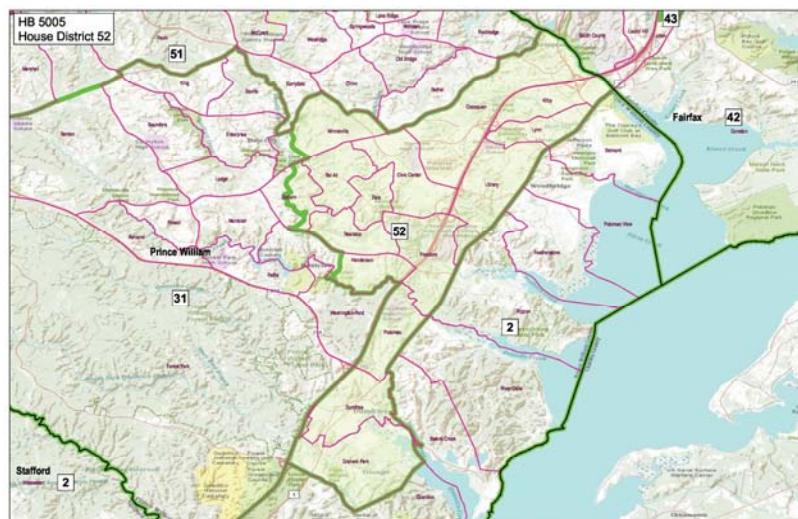
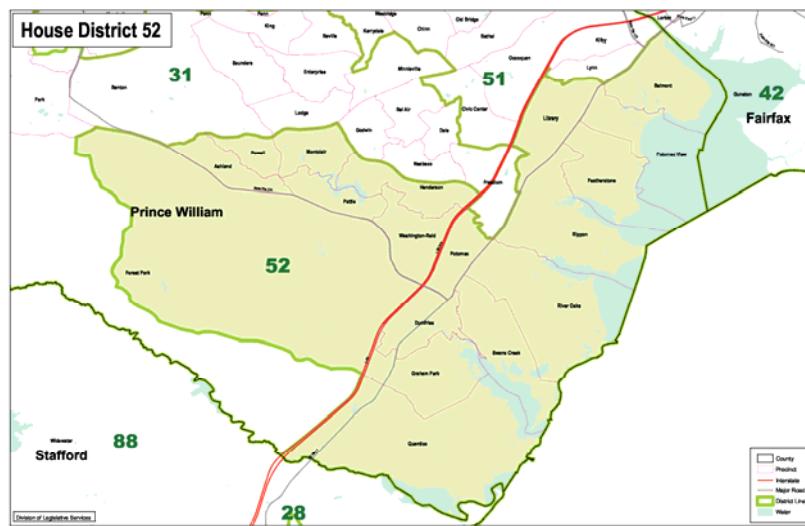
JA 1371



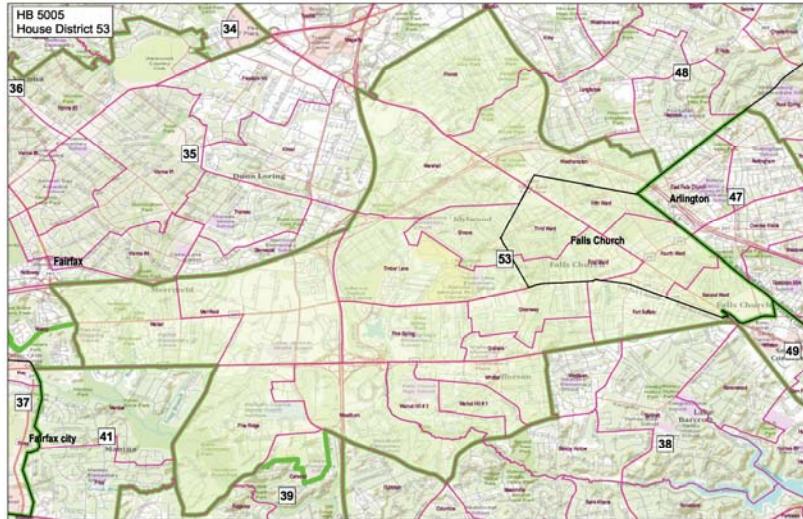
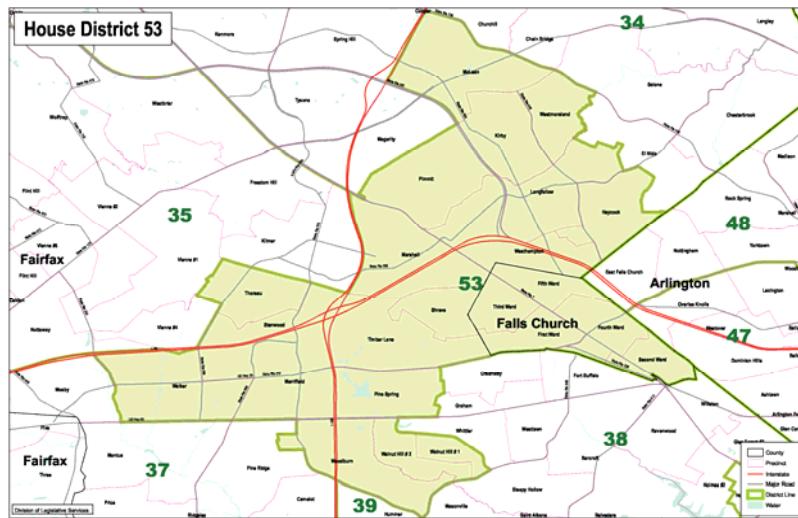
JA 1372



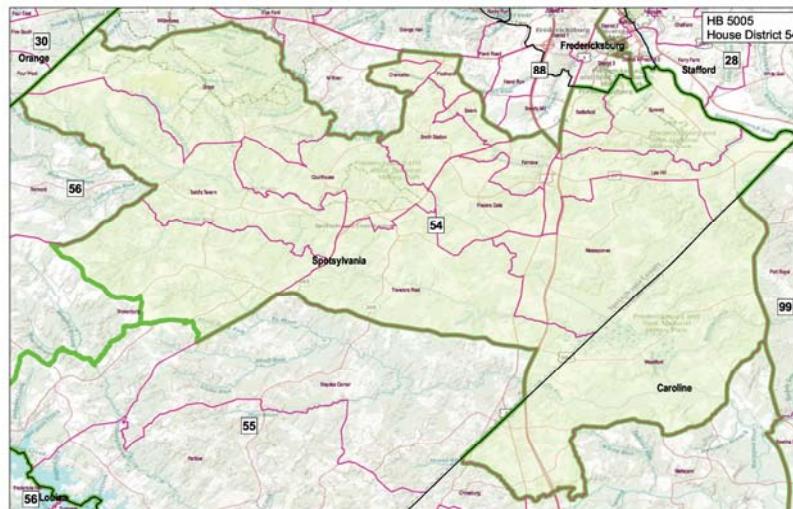
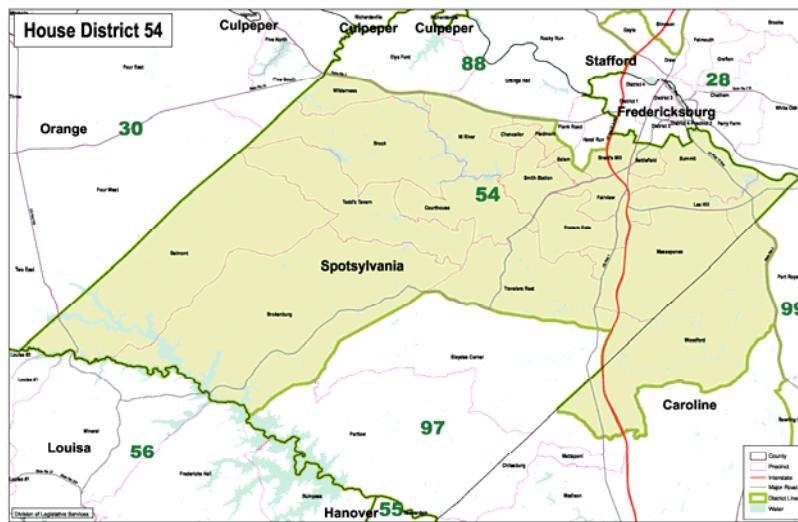
JA 1373



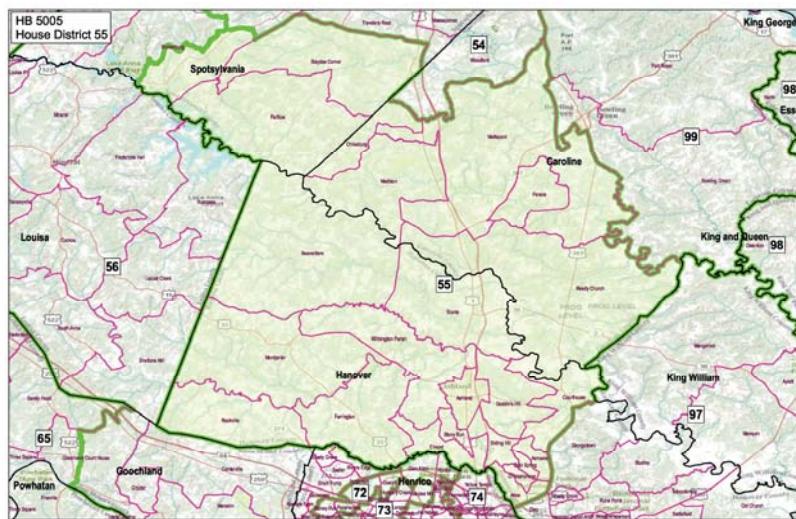
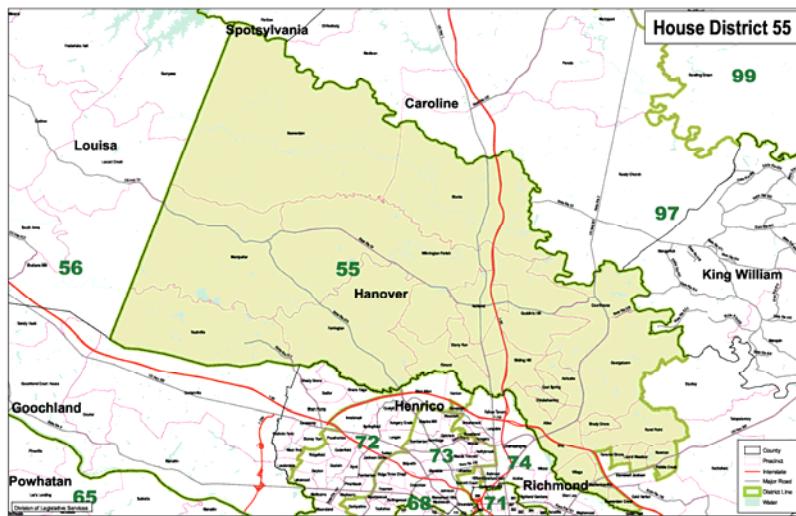
JA 1374



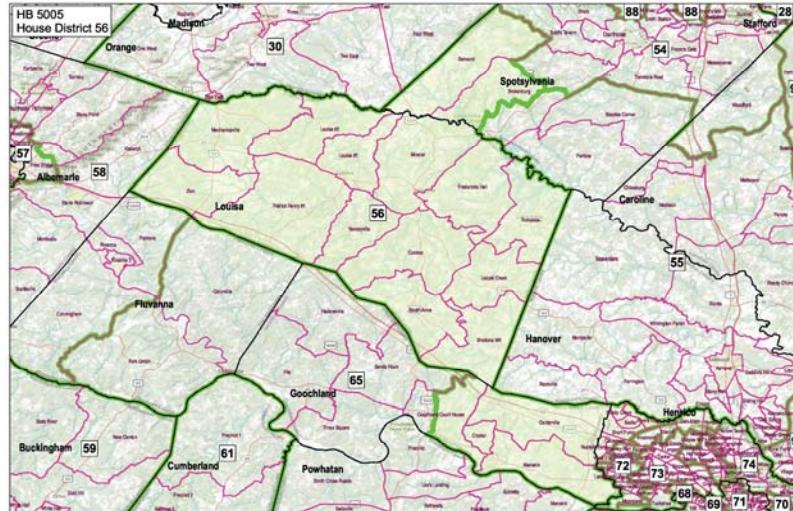
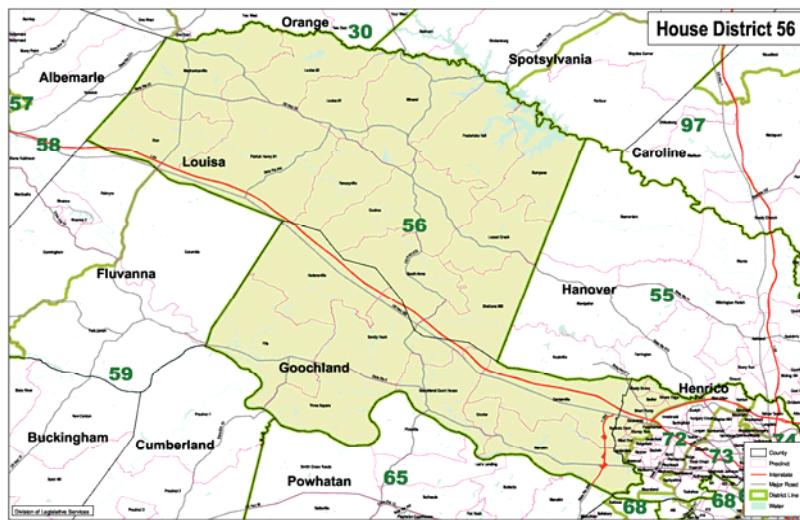
JA 1375



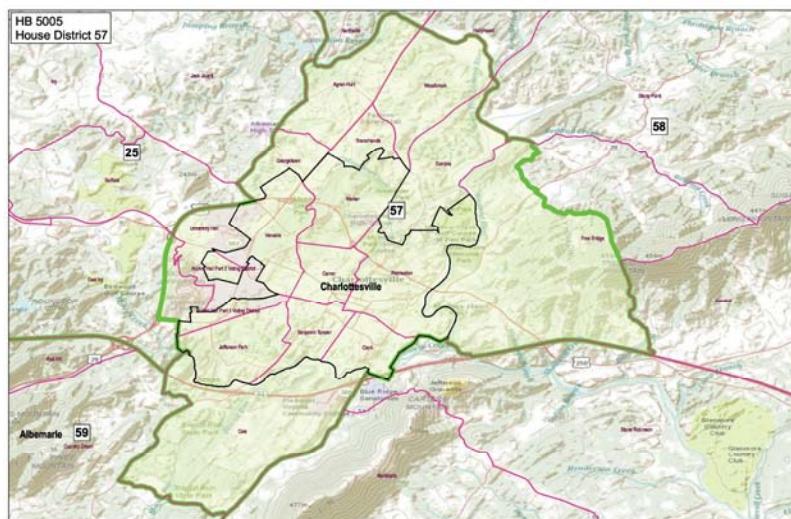
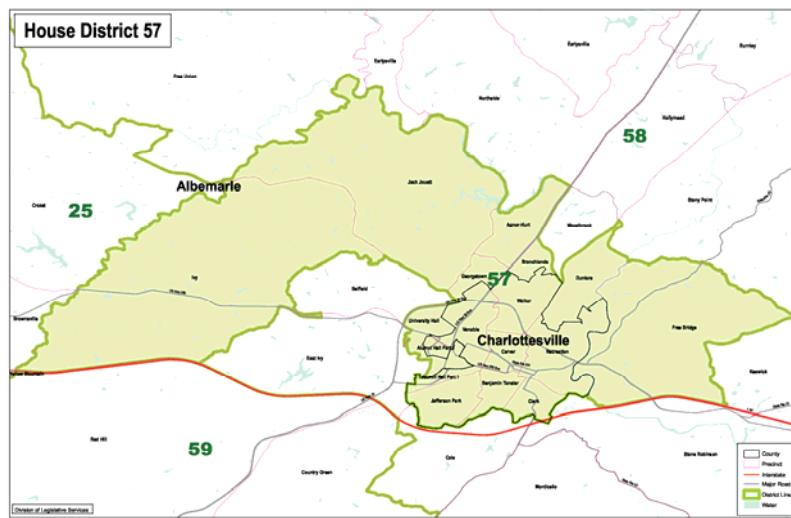
JA 1376



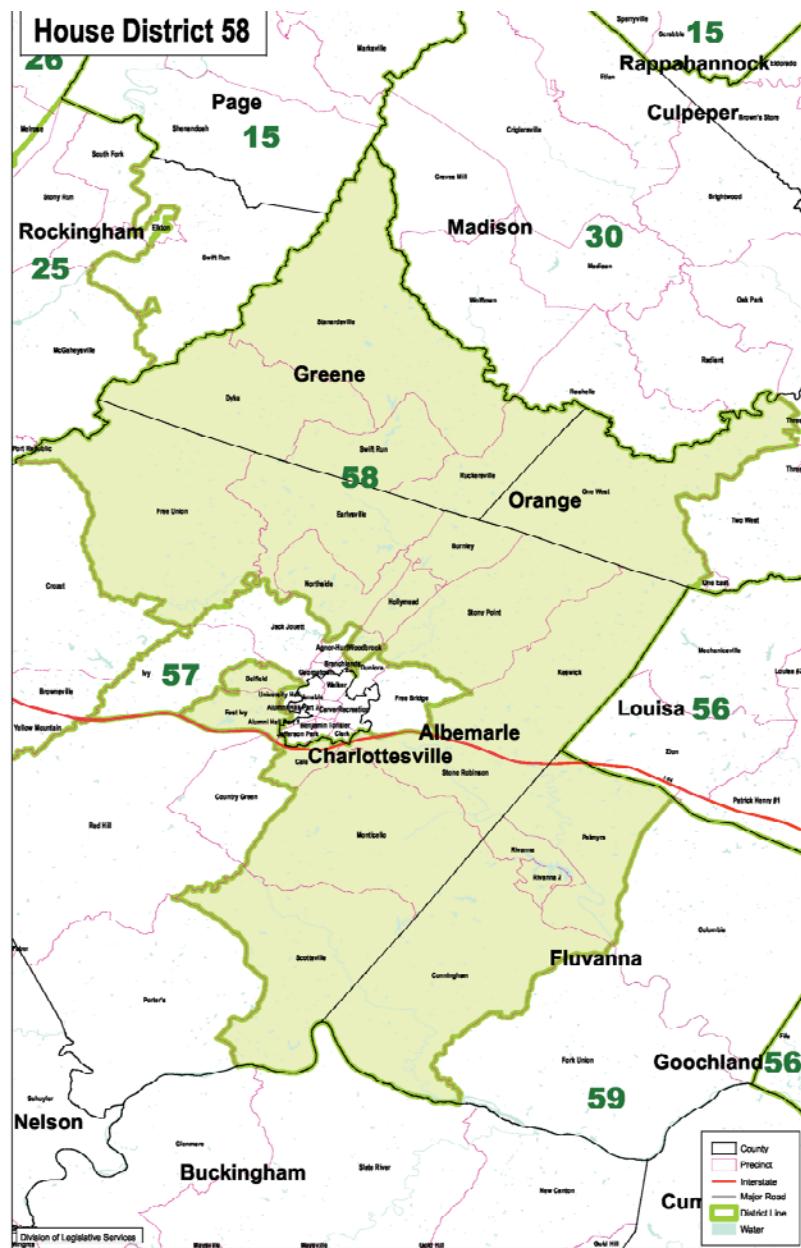
JA 1377



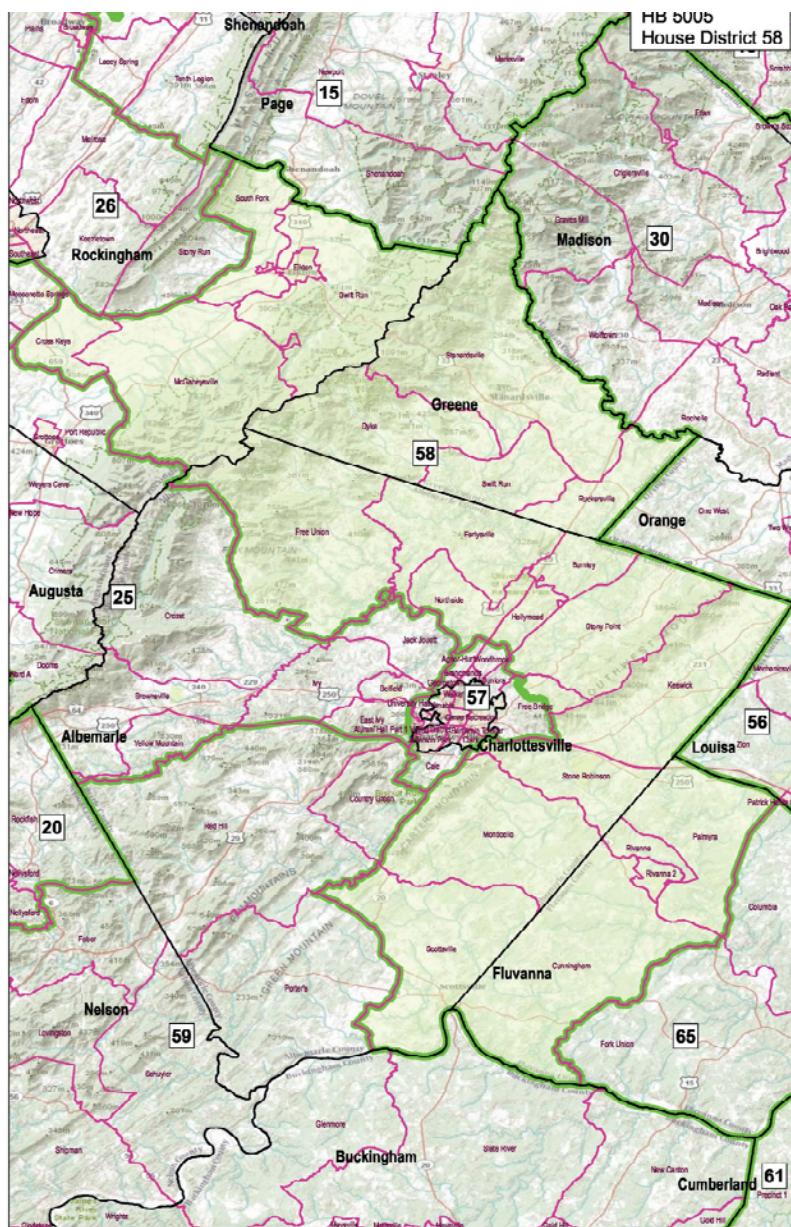
JA 1378



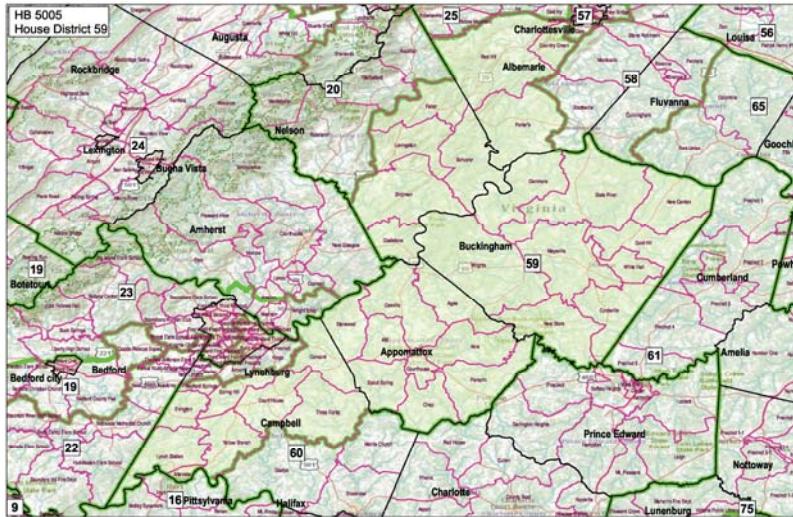
JA 1379



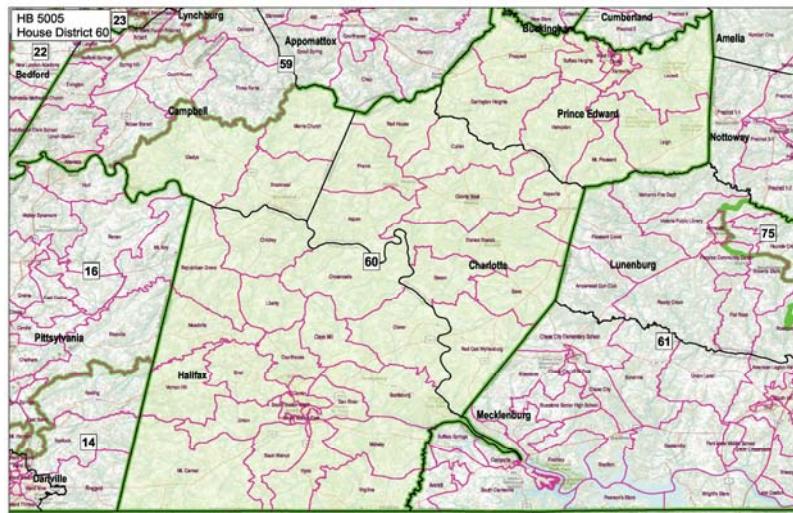
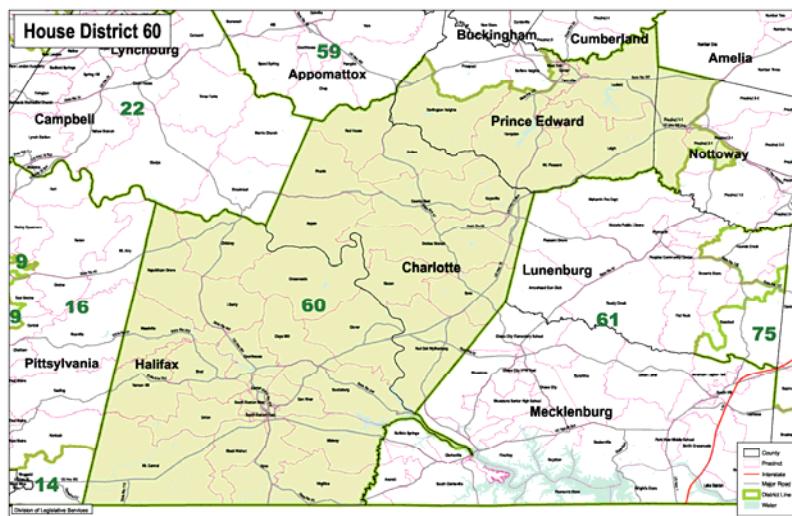
JA 1380



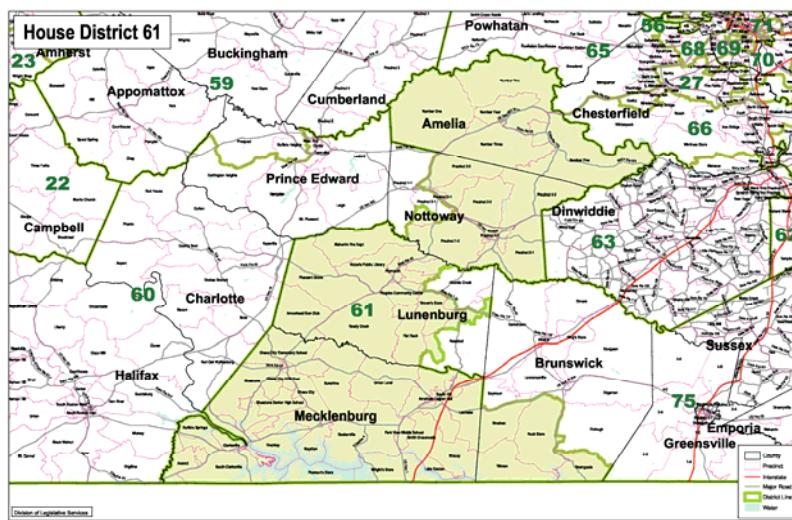
JA 1381



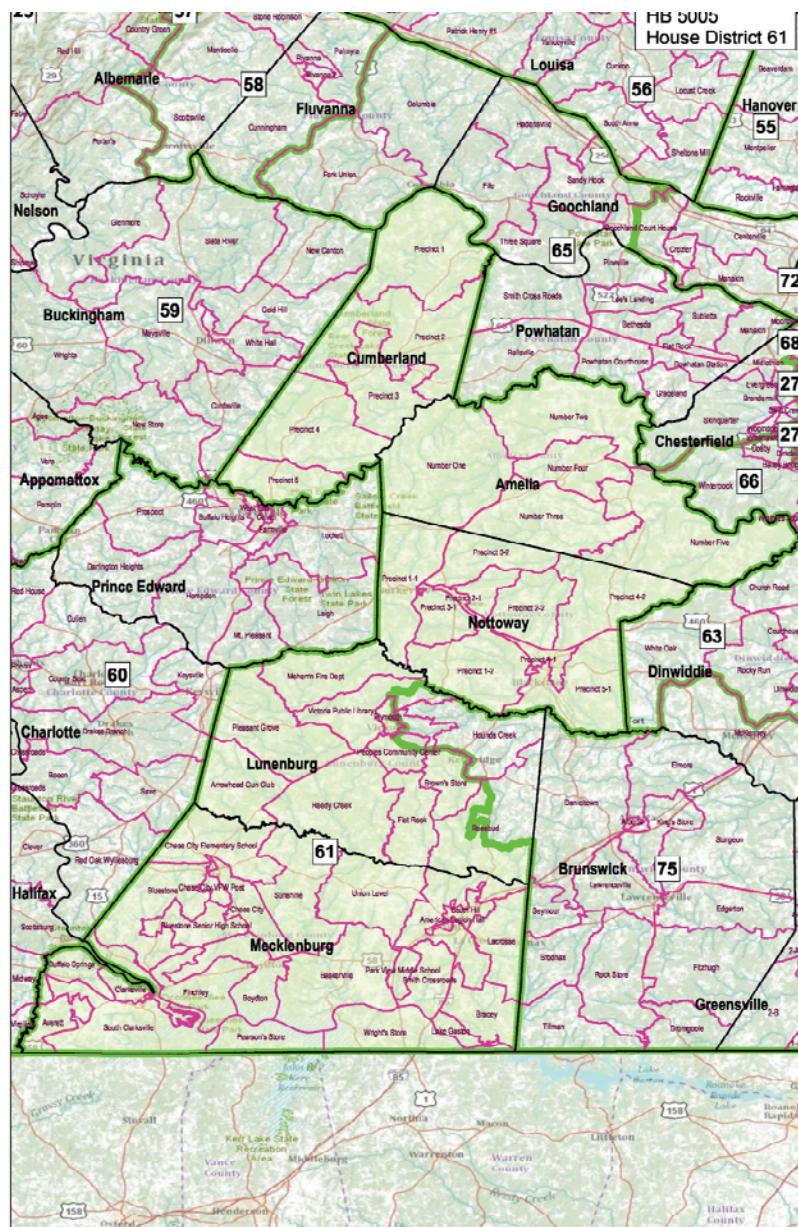
JA 1382



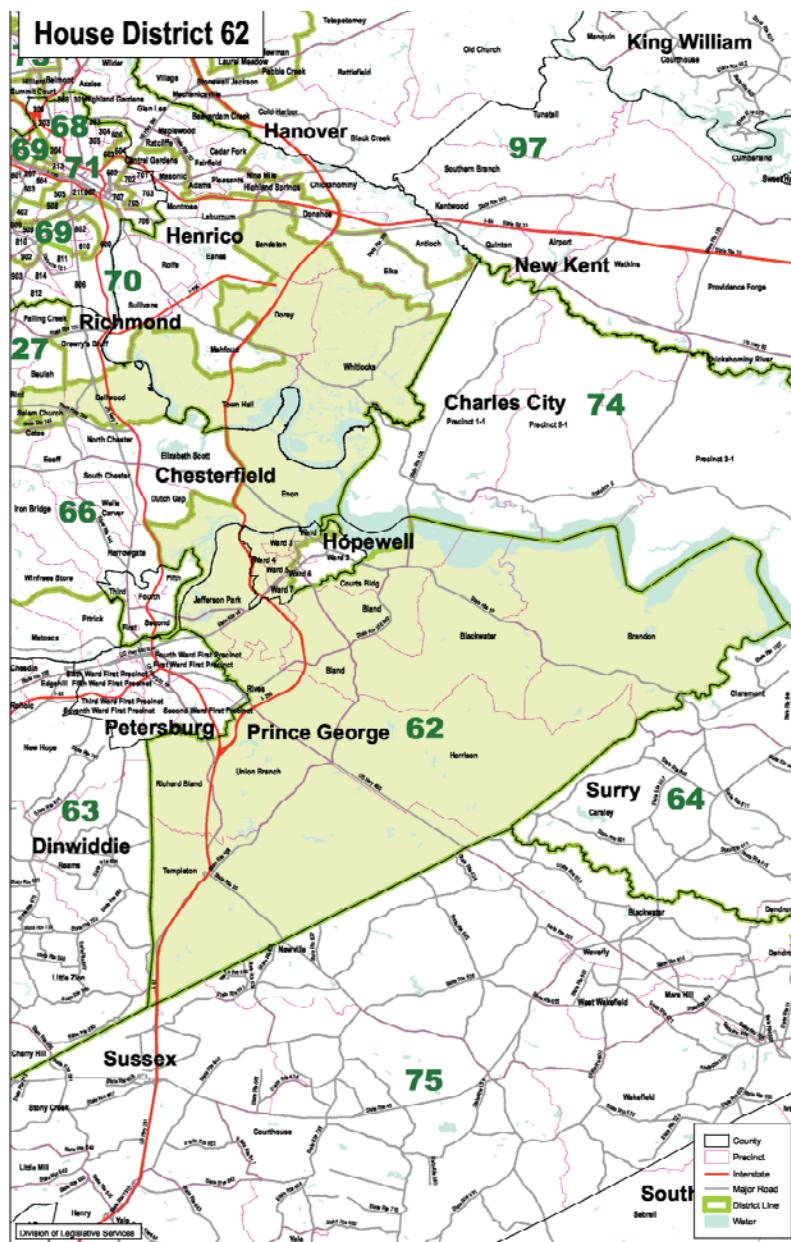
JA 1383



JA 1384



JA 1385



JA 1386

